IDENTIFICATION STAMP

With BFE or Depth Zone AE, AO, AH, VE, AR

17.5 Water Surface Elevation

Profile Baseline

Unmapped

No Digital Data Available

# MIGUELITO ELEMENTARY SCHOOL PORTABLE CLASSROOMS

1600 W OLIVE AVE, LOMPOC, CA 93436 DSA #03-123803 PTN #69229-111

#### WHENEVER DSA FINDS ANY CONSTRUCTION WORK IS BEING PERFORMED IN A MANNER CONTRARY TO THE PROVISIONS OF CALIFORNIA BUILDING CODE AND THAT WOULD COMPROMISE THE STRUCTURAL INTEGRITY OF THE BUILDING, THE DEPARTMENT OF GENERAL SERVICES, STATE OF CALIFORNIA, IS AUTHORIZED TO ISSUE A STOP WORK ORDER PER SECTION 4-334.1 CALIFORNIA ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).

ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).

GENERAL REQUIREMENTS:

1. ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF

DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

3. A 'DSA CERTIFIED' CLASS 3 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE

2. CHANGE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION DOCUMENT (CCD) APPROVED BY

- 5. TITLE 24, PARTS 1-5 AND 9 MUST BE KEPT ON SITE DURING CONSTRUCTION.
- 6. SUBMIT RFI'S TO DESIGN TEAM IN CASE OF INCONSISTENCIES BETWEEN APPROVED DRAWINGS AND APPROVED SPECIFICATIONS IN THE DESCRIPTIONS OF WORK TO BE DONE, EQUIPMENT TO BE PROVIDED OR MATERIAL TO BE USED. IT SHALL BE THAT THE MORE STRINGENT, THE MORE RESTRICTIVE, THE HIGHER QUALITY, AND THE GREATER QUANTITY OF WORK SHALL APPLY. SUBMIT REVISED DRAWINGS OR SPECIFICATIONS AS RESULT OF SUCH RFI'S TO DSA VIA CCD'S IF REQUIRED BY IR A-6.
- ALL STRUCTURAL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING MATERIALS INSTALLATION TO COMPLY WITH APPLICABLE CODES, STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.
- 8. THE PROJECT INSPECTOR (PI) SHALL WITNESS AND VERIFY GROUNDING.
- 9. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- 10. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

#### **GENERAL NOTES**

- 1. ANY DIFFERENCE BETWEEN THE EXISTING CONSTRUCTION AS OBSERVED IN THE FIELD AND AS SHOWN ON THE DRAWINGS SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- 2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING WORK THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND COORDINATING ALL DIMENSIONS. REVIEW BUILDING LAYOUT WITH ARCHITECT BEFORE STARTING ANY FOOTING **EXCAVATION OR FOUNDATION WORK.**
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACTUAL SITE CONDITIONS REGARDLESS OF INFORMATION SHOWN ON THE DRAWINGS. DISCREPANCIES BETWEEN CONDITIONS SHOWN OR NOT SHOWN ON DRAWINGS AND ACTUAL EXISTING VISIBLE DISCERNABLE CONDITIONS AT THE JOB SITE, DO NOT RELIEVE THE CONTRACTOR FROM PERFORMING THE WORK OF THIS CONTRACT IN FULL CONFORMANCE WITH THE CONTRACT DOCUMENTS.
- 4. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INSURE THAT ALL APPLICABLE SAFETY LAWS ARE STRICTLY ENFORCED AND TO MAINTAIN A SAFE CONSTRUCTION PROJECT.
- BIDDERS MUST VISIT THE BUILDING SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS TO PROVIDE A PROJECT COMPLETE IN EVERY DETAIL AND READY FOR OCCUPANCY. DISCREPANCIES OR DELETIONS MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE THE BID DATE FOR CORRECTION.
- ANY DAMAGE DONE TO THE EXISTING SITE OR FACILITIES DURING THE COURSE OF THE WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE WITH NO ADDITIONAL COST TO THE OWNER.
- BIDDERS SHALL ASSUME THAT ALL ITEMS INDICATED ON THE DRAWINGS ARE NEW CONSTRUCTION IF NOT INDICATED WITH AN (N) OR "NEW", UNLESS INDICATED AS "(E)" OR "EXISTING".
- 8. ALL NEW WORK SHALL MATCH EXISTING IN KEEPING WITH GOOD CONSTRUCTION PRACTICE. IT IS THE INTENT OF THESE DOCUMENTS THAT THE PORTION OF THE SURFACE WHICH HAS BEEN INSTALLED, REPAIRED OR REPLACED, SHALL MATCH THE EXISTING ADJACENT SURFACES, AND THAT THE NEW WORK WILL NOT BE DISCERNABLE FROM THE EXISTING.
- 9. WHERE MINIMUM DIMENSIONS ARE INDICATED, EXISTING DIMENSIONS IN EXCESS OF THAT SHOWN MAY BE RETAINED UNLESS OTHERWISE NOTED.
- 10. CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ALL OMISSIONS AND CONFLICTS BETWEEN THE ELEMENTS OF THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THE WORK INVOLVED.
- 11. CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, LANDSCAPE SITE FEATURES TO REMAIN. ALL DAMAGED WORK SHALL BE REPLACED WITH THE SAME MATERIALS, INCLUDING MATCHING THE EXISTING COLORS AND TEXTURES BY THE CONTRACTOR AT HIS OWN EXPENSE WITH NO ADDITIONAL COST TO THE DISTRICT.
- 12. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE
- 13. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED IN THE DRAWINGS OR ACCEPTED BY THE ARCHITECT AND STRUCTURAL ENGINEER WITH THE APPROVAL OF DSA REPRESENTATIVE.
- 14. THE CONTRACTOR SHALL COMPLY WITH CFC CH 33 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.

#### APPLICABLE CODES

#### CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING:

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), TITLE 24 C.C.R. 2022 CALIFORNIA BUILDING CODE (CBC), TITLE 24 C.C.R. 2022 CALIFORNIA ELECTRICAL CODE (CEC), TITLE 24 C.C.R. 2022 CALIFORNIA MECHANICAL CODE (CMC), TITLE 24 C.C.R. 2022 CALIFORNIA PLUMBING CODE (CPC), TITLE 24 C.C.R.

2022 CALIFORNIA ENERGY CODE, TITLE 24 C.C.R.

2022 CALIFORNIA HISTORICAL BUILDING CODE, TITLE 24 C.C.R. 2022 CALIFORNIA FIRE CODE (CFC), TITLE 24, C.C.R. PART 10 2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), TITLE 24, C.C.R.

PART 11 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), TITLE 24, C.C.R.

PART 12 2022 CALIFORNIA REFERENCED STANDARDS CODE, TITLE 24, C.C.R.

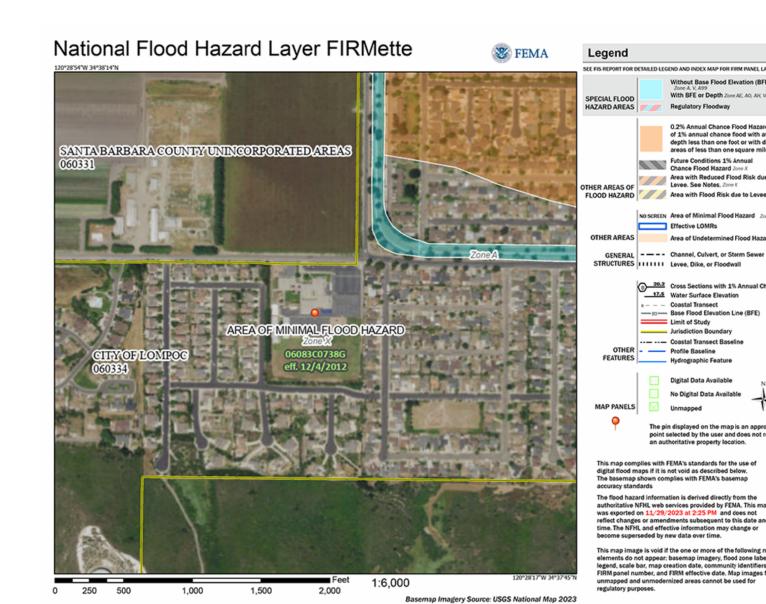
NATIONAL REFERENCE STANDARDS:

AISC SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS (ANSI/AISC 341-16) AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (ANSI/AISC 360-16) NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION (ANSI/AWS NDS 2015)

ACI-318-19 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE 2010 ADA STANDARD FOR ACCESSIBILITY DESIGN

STATE BUILDING CODE (Part 1, Title 24, C.C.R.)

"The intent of these drawings and specification is that the work of the alteration, rehabilitation or reconstruction is to be in accordance with Title 24, California Code of Regulations. Should any existing conditions such as deterioration or noncomplying construction be discovered which is not covered by the contract documents wherein the finished work will not comply with Title 24, California Code of Regulations, a Construction Change Document (CCD), or a separate set of plans and specifications, detailing and specifying the required work shall be submitted to and approved by the Division of the State Architect before proceeding with the work" Changes to the approved drawings and specifications shall be made by an addenda or a construction change document (CCD) approved by the Division of the State Architect, as required by Section 4-338, Part 1, Title 24,



# **DESIGN DATA**

1. ULTIMATE DESIGN WIND SPEED V=92 MPH 2. RISK CATEGORY 3. WIND EXPOSURE CATEGORY

EARTHQUAKE DESIGN DATA SITE COORDINATES: 34.6457406°N, 120.4776601°W 1. RISK CATEGORY 2. SEISMIC IMPORTANCE FACTOR 3. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS

 $F_v=nuII$ 

**ABBREVIATIONS** 

S<sub>S</sub>=1.225g 4. SITE CLASS 5. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS  $S_{DS}=0.98g$   $S_{D1}=null$ 6. SITE COEFFICIENT

ASPHALT

EAST

EXISTING

EQUAL

EQUIPMENT

DOUGLAS FIR

ELECTRIC (AL)

ENCLOSE (URE)

FINISH FLOOR

FIELD NAILING

FINISH GRADE

FINISH (ED)

FIN FLR FINISH FLOOR

FIXTURE

FLASHING

FLOOR (ING)

FLUORESCENT

**EMERGENCY** 

DRINKING FOUNTAIN/

ELEVATOR / ELEVATION

FACTORY FINISH(ED)/

FIRE EXTINGUISHER CABINET

FLATHEAD MACHINE SCREW

FACE OF.../ FINISH OPENING

FLATHEAD WOOD SCREW

FACE OF CONCRETE

FACE OF MASONRY

FACE OF STUDS

FOOT OR FEET

FOOTING

FURRING

FOUNDATION

 $F_a = 1.2$ 

ACC

AUTO

BLKG

BTM

BLDG

CEM

CER

CIR

CLR

COL

CONC

CMU

CONN

CONST

CONT

CTSK

DEM

DET

DWG

ELEV

EQ

FIXT

FLASH

FHMS

FHWS

**FLUOR** 

FURR

## $S_1 = 0.435g$

THE PROJECT CONSISTS OF DEMOLISH (2) DETERIORATING PORTABLE CLASSROOMS #20 (AKA #D-14) & #21 (AKA #D-15) RELOCATE (1) 30X32 PORTABLE CLASSROOM (FROM A#65052) ON-SITE AND REPLACE ITS (E) GAS-FIRED HVAC UNIT WITH (N)

PROJECT DATA

BUILDING CONSTRUCTION TYPE: (V-B)

PROJECT SCOPE

**BUILDING OCCUPANCY: E** 

SQ. FT. (NO FIRE SPRINKLER)

FUNCTION OF SPACE: CLASSROOM

FIRE DISTRICT: COUNTY OF SANTA BARBARA

# - PROJECT LOCATION W OLIVE AV

#### ELECTRIC HEAT-PUMP UNIT, PUT IN (2) NEW 24X40 PORTABLE CLASSROOMS (FROM STOCKPILE A04-106743) AND RELATED

PROJECT LOCATION: 1600 W OLIVE AVE. LOMPOC. CA 93436

NEW SQUARE FOOTAGE: (2) X 24x40FT. + (1) X 30x32FT= 2,880

ASPHALT		
ASPHALT CONCRETE	C 4	CACE / CALICE
ACCESSIBLE	GA GALV	GAGE / GAUGE GALVANIZED
AT		
ASPHALT PAVING	GFRC	GLASS FIBER REINFORCED CEMENT
AUTOMATIC	GI	GALVANIZED SHEET META
	GL	GLASS
BEAM	GND	GROUND
BLOCKING	GYP	GYPSUM
BOARD	GWB	GYPSUM WALLBOARD
BOTTOM	OND	OH SOM WALLBOARD
BOUNDARY NAILING	HDWR	HARDWARE
BUILDING	HDR	HEADER
BUILT UP ROOFING	HTG	HEATING
	HVAC	HEATING, VENTILATING
CABINET	114710	& AIR CONDITIONING
CARPET (ED)	HT	HEIGHT
CEILING	HC	HOLLOW CORE
CEMENT	НМ	HOLLOW METAL
CENTERLINE	HOR	HORIZONTAL
CERAMIC	HR	HOUR
CERAMIC TILE		
CIRCLE	ID	INSIDE DIAMETER
CLEAR	INSUL	INSULATION
COLUMN	INT	INTERIOR
CONCRETE		
CONCRETE MASONRY UNIT	JAN	JANITOR
CONNECTION	JST	JOIST
CONSTRUCTION		
CONTINUOUS / CONTINUE	L	LENGTH / LONG
CONTROL JOINT	LAB	LABORATORY
COUNTER SINK	LAM	LAMINATE (D)
	LAV	LAVATORY
DEMOLISH / DEMOLITION	LB	POUND
DETAIL	LF	LINEAR FEET
DIAGONAL	LT	LIGHT
DIAMETER	MIN	MINIMUM, MINUTE
DIMENSION	MFR	MANUFACTURER
DIVISION	MT, MTD	
DOOR	IVII, IVIID	1110 (LD), (1110)
DOUBLE	NAT	NATURAL
DOWN	(N)	NEW
DRAWING	N	NORTH

NOM

#, NO

OPNG

OFF

OD

OHWS

PNL

PTN

PVMT

PERF

PLAS

POC

PERIM

PLAM

NOT IN CONTRACT

NOT TO SCALE

ON CENTER (S)

OUTSIDE DIAMETER

PANIC HARDWARE

OVAL HEAD WOOD SCREW

NOMINAL

NUMBER

OPENING

OPPOSITE

OFFICE

OVER

PANEL

PARKING

PARTITION

PAVEMENT

PERIMETER

PLASTIC

PLATE

PLYWD PLYWOOD

PERFORATE (D)

PLASTIC LAMINATE

POINT OF CONNECTION

POLYVINYL CHLORIDE

PRESSURE TREATED

POUNDS PER CUBIC FOOT

POWDER COAT (ED, (ING)

POUNDS PER SQUARE FOOT

#### REFR REFRIGERATOR REG REGISTER REINF REINFORCED REQ'D REQUIRED RESIL RESILIENT RESILIENT BASE, RUBBER BASE RETAINING R/A RETURN AIR REVISION(S) / REVISED RIGHT HAND SMS SHEET METAL SCREW SHWR SHOWER SHTG SHEATHING SIM SIMILAR SOLID CORE SOUTH SPEAKER SPECIFICATION (S) SQUARE SQUARE FEET STAINLESS STEEL STD STANDARD STL STEEL STOR STORAGE STRUC STRUCTURE / STRUCTURAL SUSPENDED SYM SYMMETRY / SYMMETRICAL SYS SYSTEM TELEPHONE TELEVISION TEMPERED GLASS THICK (NESS) TONGUE & GROOVE TOP AND BOTTOM TOP OF CATCH BASIN TOP OF CONCRETE PAVING TOP OF CONCRETE TOP OF STEEL, TUBULAR STEEL TOP OF WALL TOP OF

TREAD

VERT

VG

VGDF

VCT

WSCT

W/R

WDW

**W/**0

WD

TYPICAL

VERTICAL

WAINSCOT

WEIGHT

WINDOW

WITHOUT

WOOD PANEL

WOOD

VERTICAL GRAIN

VERIFY IN FIELD

WATER CLOSET

WATER HEATER

WATERPROOF (ING)

WEST / WOMEN / WIDE

WATER RESISTANT

UNLESS OTHERWISE NOTED

VERTICAL GRAIN DOUGLAS FIR

VINYL COMPOSITION TILE

RADIUS

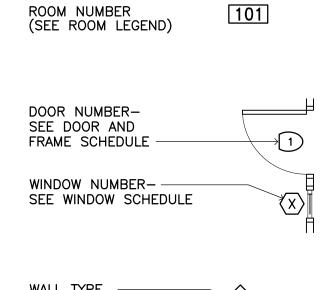
RECTANGULAR

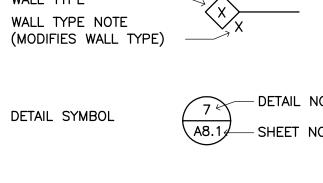
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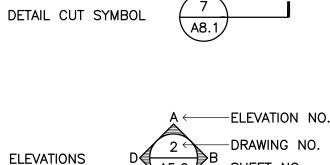
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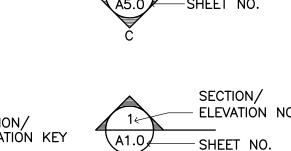
REF

# KEY NOTE SYMBOLS (DEMO) ROOM NUMBER (SEE ROOM LEGEND)





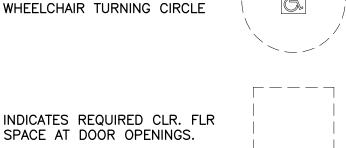




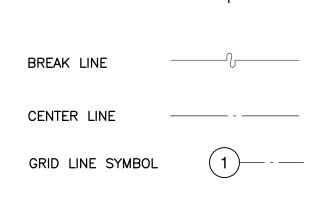
# SYMBOLS LEGEND

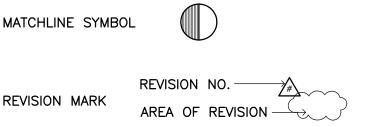
60" DIAMETER CLEAR











# SHEET INDEX - 57 SHEETS

GENER	AL - 1
G-001	COVER SHEET
CIVIL -	4
G-1 C-1 CD-1 EC-1	TITLE SHEET SITE IMPROVEMENT PLAN DETAILS SITE IMPROVEMENT PLAN
ARCHIT	FECTURAL - 5
A-100	CAMPUS PLAN/FIRE ACCESS SITE PLAN,
A-101	CODE ANALYSIS, LFA APPROVAL ENLARGED DEMOLITION SITE PLAN & LANDSCAPE REHAB PLAN
A-102 A-801	ENLARGED DIMENSION PLAN DETAILS

# ELECTRICAL - 11

GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS, ETC. GENERAL ELECTRICAL SPECIFICATIONS SITE POWER PLAN ENLARGED SITE POWER PLAN

DEMOLITION SITE POWER PLAN ELECTRICAL SINGLE LINE DIAGRAM E300 FIRE ALARM PLANS FIRE ALARM SYSTEM CALCULATIONS FIRE ALARM SYSTEM RISER DIAGRAMS ELECTRICAL DETAILS **ELECTRICAL DETAILS** 

MANUFACTURER'S DRAWINGS - 36 RELOCATABLE 30x32 CLASSROOM #28 - 13 (AMERICAN MODULAR SYSTEMS, DSA #A65052) (1-)TS-1 TITLE AND BUILDING DATA NOTES (1-)N-1 GENERAL NOTES FLOOR PLAN & NOTES EXTERIOR ELEVATIONS CEILING GRID, DETAILS AND NOTES FOUNDATION PLAN, DETAILS & NOTES

FLOOR FRAMING PLAN AND BUILDING SECTIONS ROOF FRAMING PLAN & DETAILS FRAMING ELEVATIONS & DETAILS (1-)S5 FRAMING ELEVATIONS AND DETAILS (1-)S6R RAMP PLAN ELEVATION AND DETAILS (NOT USED) (1-)M1 FLOOR PLAN & NOTES (1-)E1 FLOOR PLAN & NOTES

(MSI, DSA #A04106743, PC 04-104778) (2-)CS COVER SHEET (2-)G-1 GENERAL NOTES & SPECIFICATIONS (2-)G-2 BUILDING SPECIFICATIONS, CONSTRUCTION NOTES & SCHEDULES (2-)A-1-24 24'X40' FLOOR PLAN, EXTERIOR ELEVATIONS & ROOF PLAN (DUAL PITCH ROOF) (2-)A-2-24 24'X40' INTERIOR ELEVATIONS

(MOBILE MODULAR MANAGEMENT, DSA #A04-122274

RELOCATABLE 24X40 CLASSROOM #35 & #36 - 15

(2-)A-3-24 24'X40' REFLECTED CEILING PLAN (2-)E-1-24 24'X40' ELECTRICAL LIGHTING PLAN, ELECTRICAL POWER PLAN (2-)S-10 FLOOR FRAMING PLAN AND DETAILS FOR PLYWOOD FLOOR (2-)S-51 ROOF FRAMING DETAILS W/ METAL DECK DSA FOUNDATION PLANS

(2-)F-1 COVER SHEET (2-)F-2 A-NUMBERS (2-)F-3 FOUNDATION PLANS (24x40) (2-)F-6 DETAILS (2-)F-7 GENERAL SPECIFICATIONS

(2-)F-7A DSA FORM 103

PREFABRICATED MODULAR RAMP & LANDINGS: - 8 (TMP SERVICES PC DRAWINGS, DSA A#04-122262) COVER SHEET ACCESSIBLE RAMP ELEVATIONS & DETAILS ACCESSIBLE RAMP DETAILS & NOTES DETAILS & NOTES

ACCESSIBLE RAMP SWITCH BACK DETAILS (NOT USED) STAIRS - OPTIONAL ACCESSIBLE RAMP OPTIONAL ALUMINUM DECK ACCESSIBLE RAMP ELEVATIONS & PLAN VIEWS (NOT USED)

Acceptance Test is a functional performance test to help ensure that newly installed equipment is operating and in compliance with the Energy Code. Lighting controls acceptance tests must be performed by a certified lighting controls Acceptance Test Technician Mechanical system acceptance tests must be performed by a certified mechanical ATT for projects submitted on Envelope and process equipment acceptance tests shall be performed by the installing contractor,

The California Energy Code Section 10-103 requires Acceptance Testing on all newly installed lighting controls,

mechanical systems, envelopes, and process equipment after installation and before project completion. An

engineer/architect of record or the owner's agent. A listing of certified ATT can be found at: https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance. The Acceptance Testing procedures must be repeated, and deficiencies must be corrected by the builder or installing contractor until the construction/installation of the specified systems conform and pass the required

Project inspectors will collect the forms to confirm that the required Acceptance Tests have been completed.

## GENERAL CONFORMANCE

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS. INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS PROJECT NAME: MIGUELITO ELEMENTARY SCHOOL

PORTABLE CLASSROOMS LOMPOC UNIFIED SCHOOL DISTRICT APPLICATION NUMBER: 03-123803 FILE NUMBER: STATEMENT OF GENERAL CONFORMANCE

THE MANUFACTURERS DRAWINGS OR SHEETS LISTED ON THE SHEET INDEX HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE

REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS

The statement of general conformance 'shall not be construed as relieving me of my rights, duties, and responsibilities under sections 17302 and 81138 of the education code and sections 4-336, 4-341 and 4-344' of title 24, part 1. (title 24, part 1, section

I FIND THAT: THE MANUFACTURERS DRAWINGS OR SHEETS LISTED ON THE SHEET INDEX ☑ IS/ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN INTENT, AND HAS/HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.

SIGNATURE OF THE ARCHITECT ARCHITECT DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE TODD A. JESPERSEN, AIA

LOMPOC UNIFIED SCHOOL DISTRICT 1301 NORTH A ST, LOMPOC, CA 93436 OFFICE: (805) 742-3300

#### PROJECT TEAM

EMAIL ADDRESS: nhuh@kbzarch.com

ARCHITECT KRUGER BENSEN ZIEMER ARCHITECTS, INC. 199 FIGUEROA STREET, SUITE 100A, VENTURA, CA 93001 OFFICE: (805) 650-1033 PRINCIPAL-IN-CHARGE: TODD A. JESPERSEN, AIA EMAIL ADDRESS: toddj@kbzarch.com PROJECT TEAM: NHU HOANG

FLOWERS & ASSOCIATES 115 W. CANON PERDIDO STREET, SANTA BARBARA, CA 93101 OFFICE: (805) 966-2224 PROJECT ENGINEER: ROBERT SCHMIDT EMAIL ADDRESS: raschmidt@flowersassoc.com

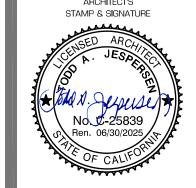
ELECTRICAL C. HOOD & ASSOCIATES, INC. 858 E. FRONT STREET, VENTURA, CA 93001 OFFICE: (805) 641-4012 ELECTRICAL ENGINEER: CRAIG HOOD EMAIL ADDRESS: craig@choodassociates.com



30 W. ARRELLAGA STREET SANTA BARBARA CA 93101 TELEPHONE (805) 963-1726 FAX (805) 963-2951 TODD A JESPERSEN, AIA

NHU HOANG ARCHITECTURAL ASSISTANT All ideas, design arrangements and plans indicated or represented by t drawing are owned by and are the property of Kruger-Bensen-Ziemer, Al-

architects, and were created, evolved and developed for use on, and in connection with, the specified projects. None of such ideas, designs, arrangements or plans shall be used by or disclosed to any person, firm o corporation for any purpose whatsoever without the written permission of ARCHITECTS ENGINEER'S STAMP & SIGNATURE STAMP & SIGNATURE



CONSULTANT INFORMATION

-/-/--/-/-REVISION DESCRIPTION DATE

DRAWN NH CHECKED TJ DATE 02/26/2024 JOB. NO. 21070

TITLE

SHEET

SHEET COVER SHEET

# PORTABLE CLASSROOMS SITE IMPROVEMENTS

# MIGUELITO ELEMENTARY SCHOOL LOMPOC UNIFIED SCHOOL DISTRICT

1600 W. OLIVE AVE., CITY OF LOMPOC, CALIFORNIA

	OF SYMBOLS:
	ASPHALTIC CONCRETE
ACP	ASBESTOS CEMENT PIPE
AB	AGGREGATE BASE
BC	BEGIN CURVE
BCR	
BD BFV	BASEMENT DRAIN
	BUTTERFLY VALVE
BM BV	BENCHMARK BALL VALVE
BVC	
BW	BACK OF WALK
CIP CJ	CAST IRON PIPE CRACK CONTROL JOINT
CL	CLASS
_	CENTERLINE
CMP	CORRUGATED METAL PIPE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
CTV	CABLE TELEVISION
DIP	DUCTILE IRON PIPE
D	DRAIN
E	ELECTRICAL
DI	DROP INLET
EC	END CURVE
	END CURB RETURN
	EXISTING GRADE
EJ	EXPANSION JOINT
EL	ELEVATION
EP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
EW	EACH WAY
EX	EXISTING
FD	FLOOR DRAIN
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
	FLOWLINE
FLG	FLANGE
FS	FINISH SURFACE
G	GAS
GB	GRADE BREAK
GM	GAS METER
GSP	GALVANIZED STEEL PIPE
GSV	
GV	GATE VALVE
HB	
HP	HIGH POINT
INV	INVERT
L	CURVE LENGTH
LF	LINEAL FEET
MH	MANHOLE
MJ	
NIC	NOT INCLUDED IN CONTRACT
OC	ON CENTER
OCEW	
PCC	
PI	POINT OF INTERSECTION
_	(OF CURVE TANGENTS)
POR P/L	PROPERTY LINE
PRC	POINT OF REVERSE CURVATURE
PVC	POLY-VINYL CHLORIDE
PV	PLUG VALVE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RG	RETAINING GLAND
RSJ	ROUGH SURFACE JOINT
R/W	RIGHT-OF-WAY
S	SEWER
SD	STORM DRAIN
SL	STREET LIGHT
ST STL	
STA	STATION
	STANDARD DETAIL
T	TELEPHONE
T BLK	
TB	TOP OF BERM
TC	TOP OF CONCRETE
TCN	TOP OF CONCRETE
TD	TOP OF FOOTING
TF	TOP OF COATE
TG	TOP OF GRATE
TI	TRAFFIC LIGHT
TL	TRAFFIC LIGHT
TP TVD	TOP OF PAVEMENT
TYP	TYPICAL
TW	TOP OF WALL
VCP	VITRIFIED CLAY PIPE
VPI	VERTICAL POINT OF INTERSECTION
147	(OF VERTICAL CURVE TANGENTS)
W	WATER
W/	WITH
WD	WALL DRAIN
WM	WATER METER
WV	WATER VALVE
$\triangle$	DELTA (CURVE CENTRAL ANGLE)
± 0/	APPROXIMATELY
%	PERCENT
<	LESS THAN
>	GREATER THAN

LEGEND: DESCRIPTION	EXISTING	PROPOSED
CENTERLINE		
EDGE OF A.C. PAVEMENT		
ELEVATION	100.00 OR (100.00)	100.00
CONCRETE PAVEMENT	DE PARTICIPATION DE LA COMPANION DE LA COMPANI	\$1.64.85.00 (\$3.00 kg
A.C. PAVEMENT		
PROPERTY LINE		
RIGHT-OF-WAY LINE		
EASEMENT LINE		
CONTOURS (MAJOR)	10	<del></del>
CONTOURS (MINOR)		12
BENCH MARK	lacktriangle	
TREE CANOPY		
APPROX. SAW CUT LINE		
LIMIT OF GRADING LINE		- ~~ ~~
GRADE BREAK LINE		GB
FLOW LINE		
SLOPE LINE	YYY	
FENCE		×××
RETAINING WALL		
WATER	W	W
SEWER	s	s
STORM DRAIN	SD	SD
POWER	E	——— E ——
GAS	G	——— G——
TELEPHONE	т	тт
CABLE TV	CTV	
MANHOLE	MH	OMH
CLEANOUT	OCO	oco
WATER METER & LATERAL	WWM	w
FIRE HYDRANT	—⊗ <u>—</u>	<b>-⊗_</b>
THRUST BLOCK		
FITTING	— <del>—</del> ——————————————————————————————————	— <del>]</del> ~``
STREET LIGHT	<b>\$</b>	<b>\$</b>



#### OWNERS RESPONSIBILITIES:

PRIOR TO COMMENCING CONSTRUCTION CALLED FOR BY THESE PLANS, SPECIFICATIONS AND DETAILS, THE OWNER SHALL ENGAGE A GEOTECHNICAL ENGINEER TO PROVIDE CONSTRUCTION PHASE OBSERVATION AND TESTING SERVICES AN SHALL ALSO ENGAGE THE PROJECT ENGINEER OR ANOTHER QUALIFIED PARTY TO PROVIDE PROJECT CONSTRUCTION OBSERVATION AND ASSURANCES ON CONFORMANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND AGENCY REQUIREMENTS. THE OWNER SHALL ALSO ASSURE THAT CONTRACTOR(S) ENGAGED TO PROPERLY IMPLEMENT THE CONSTRUCTION CALLED FOR ON THESE PLANS, SPECIFICATIONS AND DETAILS INCLUDING THOSE TASKS CALLED FOR ON THE PROJECT STORM WATER POLLUTION PREVENTION PLAN DOCUMENT OR EROSION CONTROL PLAN SHEETS ATTACHED AS PART OF THESE PLANS.

NOT TO SCALE

- B. GEOTECHNICAL ENGINEER'S RESPONSIBILITIES:
- 1. A GEOTECHNICAL ENGINEER SHALL REVIEW THESE PLANS WITH RESPECT TO GENERAL CONFORMANCE WITH THE INTENT OF THE RECOMMENDATIONS PRESENTED IN THE PROJECT SOILS ENGINEERING REPORT. THE PLAN REVIEW SHALL BE PERFORMED SPECIFICALLY WITH RESPECT TO GEOTECHNICAL FACTORS DISCUSSED IN THE REFERENCED REPORT. IN PERFORMING THE REVIEW. A GEOTECHNICAL ENGINEER SHALL ATTEMPT TO VERIFY THAT THE CONCEPTS AND RECOMMENDATIONS PRESENTED IN THE REPORT ARE GENERALLY INCORPORATED INTO THE PLANS. IN ACCORDANCE WITH THIS LEVEL REVIEW, THE PLANS ARE TO BE FOUND IN SUBSTANTIAL CONFORMANCE WITH THE CONCEPTS AND RECOMMENDATIONS PRESENTED IN THE NOTED REPORT.
- 2. UPON BEING RETAINED BY THE OWNER, PRIOR TO CONSTRUCTION THE GEOTECHNICAL, ENGINEER SHALL RECOMMEND TO THE OWNER AND THE CONTRACTOR THE LEVEL OF OBSERVATION AND TESTING THAT WILL BE PROVIDED DURING CONSTRUCTION. PROVIDED THAT THE CONTRACTOR FULFILLS HIS OR HER RESPONSIBILITY FOR TIMELY REQUESTS FOR THOSE SERVICES DURING CONSTRUCTION. THE GEOTECHNICAL ENGINEER SHALL PROVIDE OBSERVATION AND TESTING AT THE PROJECT WORK AREA OF EARTHWORK OPERATIONS, INCLUDING TRENCHING AND PAVEMENT SUBGRADE PREPARATION, AS NECESSARY TO HAVE REASONABLE CERTAINTY THAT THE EARTHWORK IS PERFORMED IN GENERAL COMPLIANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS, AND WITH THE REQUIREMENTS OF THE COUNTY OF SANTA BARBARA.
- UPON COMPLETION OF EARTHWORK, THE GEOTECHNICAL ENGINEER SHALL, UPON REQUEST, PROVIDE A FINAL REPORT WITH RESULTS OF THEIR OBSERVATION AND TESTING DURING EARTHWORK OPERATIONS. PROVIDED THAT THE WORK IS PERFORMED IN CONFORMANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS, THE REPORT WILL STATE THEIR OPINION THAT THE GRADING WAS COMPLETED IN SUBSTANTIAL COMPLIANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
- C. CONTRACTORS STORM WATER POLLUTION CONTROL RESPONSIBILITIES:
- 1. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT AND MAINTAIN POLLUTION PREVENTION MEASURES, INCLUDING THOSE FOR EROSION AND SEDIMENT CONTROL, AS NECESSARY TO PREVENT ANY POLLUTANT AT ANY LEVEL FROM BEING CONVEYED OFF THE CONSTRUCTION SITE AND THAT THESE MEASURES MUST CONTINUE TO BE MAINTAINED UNTIL THE REQUIRED POST-CONSTRUCTION POLLUTION PREVENTION MEASURES ARE IN PLACE AND COMPLETELY FUNCTIONAL, INCLUDING PERMANENT
- 2. THE SPECIFIC MEASURES WHICH MAY BE CALLED FOR ON THE PROJECT STORM WATER POLLUTION PREVENTION PLAN CANNOT ADDRESS ALL SITE DEVELOPMENT AND STORM CHARACTERISTICS WHICH WILL EVOLVE OVER THE COURSE OF CONSTRUCTION AND THAT IT IS THE CONTRACTORS RESPONSIBILITY TO NOT ONLY IMPLEMENT THE PLAN, BUT TO MAKE ADJUSTMENTS AND EXPANSIONS IN THE IMPLEMENTATION AS NECESSARY TO ADAPT TO THE CONTRACTOR'S CONSTRUCTION OPERATIONS AND SCHEDULE AND ADDRESS EVOLVING SITE CONDITIONS AND ACTUAL WEATHER CONDITIONS.
- 3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE EMPLOYEES AND SUBCONTRACTORS ARE TRAINED REGARDING THESE REQUIREMENTS AND TO MAINTAIN RECORDS OF THE INSTALLATION, MODIFICATION, INSPECTION, AND MAINTENANCE OF STORM WATER POLLUTION PREVENTION MEASURES INCLUDING, BUT NOT LIMITED TO: TRAINING, INSPECTION, MAINTENANCE LOG; RECORD DRAWINGS SHOWING LOCATIONS, LIMITS, AND DATES OF INSTALLATION FOR VARIOUS MEASURES; DATED PHOTOGRAPHERS AND FIELD SKETCHES.
- 4. THE CONTRACTOR SHALL BE FAMILIAR WITH AND AGREE TO IMPLEMENT THE MEASURES AND INSTALLATIONS DEPICTED ON THE PROJECT STORM WATER POLLUTION PREVENTION PLAN INCLUDING INSTALLATION, ROUTINE INSPECTION AND MAINTENANCE, ADJUSTMENTS AND EXPANSION DUE TO EVOLVING SITE CONDITIONS, EMERGENCY MAINTENANCE AND ADJUSTMENTS DUE TO ACTUAL STORM AND SITE CONDITIONS, AND DOCUMENTATION.

#### **USE OF PLANS**

#### **USE OF ELECTRONIC INFORMATION**

INFORMATION IN THE ELECTRONIC FILE ISSUED BY THE ENGINEER THAT WAS NOT DEVELOPED BY THE ENGINEER AND IS NOT AUTHORIZED BY THE ENGINEER FOR USE BY OTHERS.  $\,$  ELECTRONIC INFORMATION PROVIDED BY THE ENGINEER SHALL ONLY BE APPLICABLE FOR IMPROVEMENTS DESIGNED BY THE ENGINEER AND WHICH ARE SPECIFICALLY DESIGNATED BY CONSTRUCTION NOTES AND/OR DETAILS ON THE SIGNED AND SEALED CONTRACT DOCUMENTS.

IF DIGITAL FILES ARE OBTAINED WITH THE INTENT TO USE THEM FOR PROJECT STAKING, THEY SHALL ONLY BE USED BY A QUALIFIED ENGINEER OR LAND SURVEYOR REGISTERED IN THE STATE OF CALIFORNIA. DIGITAL INFORMATION SHALL ONLY BE USED FOR STAKING HORIZONTAL LOCATION OF PROPOSED IMPROVEMENTS AFTER IT HAS BEEN CONFIRMED WITH THE SIGNED AND SEALED CONSTRUCTION CONTRACT DOCUMENTS.

THE DIGITAL DRAWINGS ARE NOT INTENDED TO BE USED DIRECTLY FOR CONTROL OF CONTRACTOR'S GRADING OPERATIONS WITHOUT STAKING BY ENGINEER OR LAND SURVEYOR. THE INTERSECTION OF PROPOSED CUT AND FILL SLOPES WITH EXISTING GRADE IS APPROXIMATE WHERE SHOWN ON THE DRAWINGS AND SHALL BE CONFIRMED BY FIELD STAKING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONSTRUCT SLOPES IN CONFORMANCE WITH THE SPECIFIED AND DETAILED REQUIREMENTS CONTAINED IN THE CONTRACT DOCUMENTS.

#### **BENCHMARK:**

NGS MONUMENT "D 536" BEING A BENCHMARK DISK STAMPED "D 536 1956" IN THE TOP OF A CONCRETE BRIDGE WALL/CURB, INSIDE AND ADJACENT TO THE CONCRETE SIDE RAILING, SITUATED AT THE NORTHEAST CORNER OF THE BRIDGE OVER THE SANTA YNEZ RIVER ALONG STATE HIGHWAY 1, APPROX. 0.6 OF A MILE NORTH OF THE INTERSECTION OF STATE HIGHWAY 1 AND

ELEVATION = 93.18' (NAVD88)

CAUTION! CONFIRM BENCHMARK DATA AND CONDITION WITH PROJECT SURVEYOR (MICHAEL B. STANTON LAND SURVEYS)

#### **BASIS OF BEARINGS:**

NAD83 (2011), ZONE 5 0405, IN ACCORDANCE WITH THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819; SAID COORDINATES AND BEARINGS ARE BASED LOCALLY UPON FIELD-OBSERVED TIES TO NGS MONUMENT "SB 1 PM 26.2" (PID=DZ1812), BEING A CALTRANS 2.25" DIAMETER BRASS DISK STAMPED "SB-001-PM-26.2".

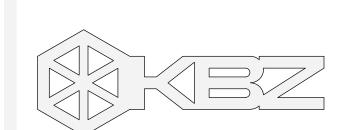
#### **TOPOGRAPHY:**

EXISTING TOPOGRAPHY COMPILED BY FIELD SURVEY(S) BY MICHAEL B. STANTON LAND SURVEYS DATED MAY 2023.

#### **SURVEY MONUMENT PROTECTION:**

PROTECT AND PRESERVE, IN PLACE, ALL SURVEY MONUMENTS AND BENCHMARKS. <u>DO NOT</u> DISTURB, MOVE, OR RELOCATE MONUMENTS OR BENCHMARKS WITHOUT THE PRIOR REVIEW AND APPROVAL BY THE AGENCY HAVING JURISDICTION OVER THE MONUMENT OR BENCHMARK. THE CONTRACTOR SHALL CONTRACT WITH A LICENSED SURVEYOR FOR MONUMENTS REQUIRING DISTURBANCE OR REMOVAL, AND THE SURVEYOR SHALL RESET THE MONUMENTS OR PROVIDE PERMANENT WITNESS MONUMENTS AND FILE THE REQUIRED DOCUMENTATION WITH THE COUNTY SURVEYOR PURSUANT TO BUSINESS AND PROFESSIONAL CODE SECTION 8771

	SHEET INDEX
HEET NO.	GENERAL DESCRIPTION
1	G-1 CIVIL TITLE SHEET
2	C-1 SITE IMPROVEMENT PLAN
3	CD-1 CONSTRUCTION DETAILS
4	EC-1 EROSION CONTROL PLAN & DETAILS



KRUGER BENSEN ZIEMER ARCHITECTS, INC. AIA 30 W. ARRELLAGA STREET SANTA BARBARA CA 93101 TELEPHONE (805) 963-1726 FAX (805) 963-2951

TODD A JESPERSEN, AIA NHU HOANG

ARCHITECTURAL ASSISTANT

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arrangements or plans shall be used by or disclosed to any person, firm or corporation for any purpose whatsoever without the written permission of STAMP & SIGNATURE STAMP & SIGNATURE





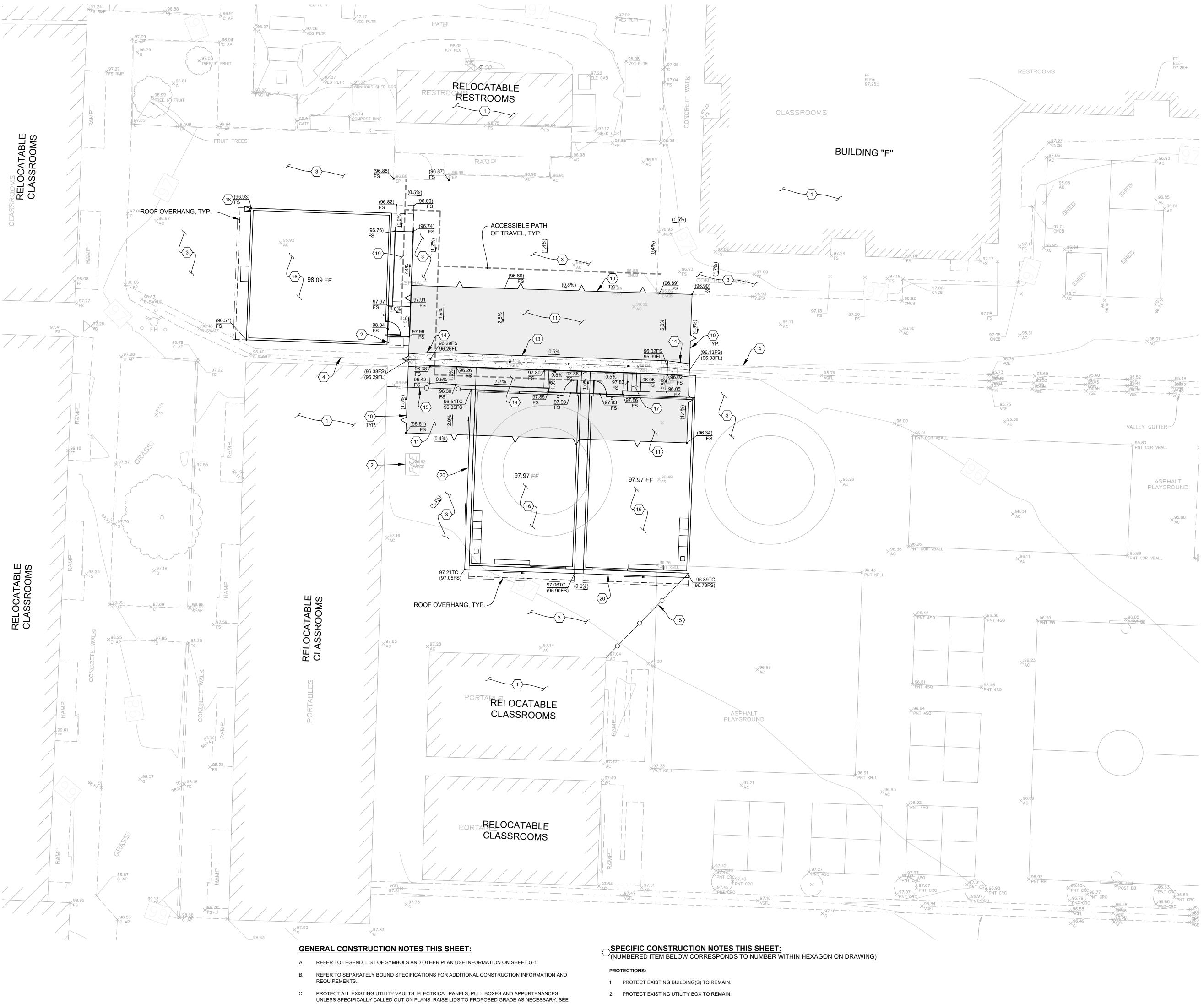
-/-/- XX DATE

REVISION DESCRIPTION DRAWN CY CHECKED FS DATE 02/22/2024 JOB. NO. 21070

SHEET TITLE SHEET

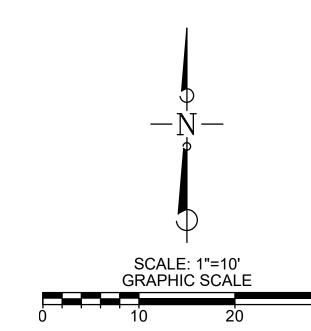




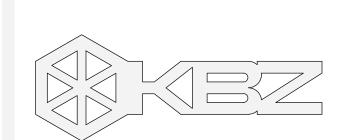


- PLUMBING PLANS FOR DETAILS. NOTIFY UNDERGROUND SERVICE ALERT AT LEAST 2 WORKING DAYS IN ADVANCE OF BEGINNING EXCAVATION AT 1-800-422-4133.
- EXISTING BURIED CONDUITS, PIPES AND/OR STRUCTURES KNOWN TO THE ENGINEER ARE SHOWN ON THE DRAWINGS BASED ON RECORD DRAWING INFORMATION OR INPUT FROM OTHERS. THE LOCATIONS OF THOSE SHOWN ARE APPROXIMATE (SCHEMATIC) ONLY AND, MOST LIKELY, OTHERS EXISTING WHICH HAVE NOT BEEN SHOWN. BEFORE ORDERING MATERIALS FOR, OR BEGINNING WORK ON PROPOSED BURIED CONDUITS AND PIPING, EXCAVATE TO LOCATE AND EXPOSE EXISTING FACILITY TO BE JOINED. DETERMINE PRECISE INVERT ELEVATION AT PROPOSED POINT OF CONNECTION AND RECORD MATERIAL TYPE AND DIMENSIONS AND PROVIDE INFORMATION TO ENGINEER FOR REVIEW AND FOR ESTABLISHING GRADE LINE FOR SEWER AND STORM DRAIN BEFORE WORK IS COMMENCED. ALLOW FIVE (5) WORKING DAYS FOR
- E. IF SCHOOL-OWNED ELECTRICAL CONDUITS ARE SUSPECTED OF BEING IN THE WORK AREA BUT CANNOT BE LOCATED, ATTEMP TO HAVE SCHOOL OPERATIONS / MAINTENANCE STAFF SHUT OFF POWER TO THOSE CONDUITS DURING EXCAVATION. TIMING AND DURATION OF SHUT-OFFS MUST BE APPROVED IN ADVANCE BY SCHOOL ADMINISTRATION SO AS NOT TO ADVERSELY IMPACT SCHOOL AND EXTRA CURRICULAR
- RETAIN A LICENSED LAND SURVEYOR TO STAKE HORIZONTAL AND VERTICAL CONTROL FOR LAYOUT OF THE WORK, FOR SURVEYING LOCATIONS OF EXISTING BURIED PIPELINES, CONDUITS AND STRUCTURES AND FOR GRADE CONFIRMATION WHERE REQUIRED DURING CONSTRUCTION. CONFIRM CONTROL DATA WITH TOPOGRAPHIC MAPPING SURVEYOR (SIMPSON LAND SURVEYING COMPANY) PRIOR TO STAKING WORK. IN ADDITION, CHECK STAKING AT KEY LOCATIONS BY SCALING DISTANCES AND TAPING FROM EXISTING FEATURES SHOWN ON PLAN.
- G. FOR CONCRETE PAVEMENTS, WALKWAYS, CURBS, GUTTERS AND WALLS, LAY OUT EXPANSION AND CONTROL JOINTS PER DRAWINGS AND SPECIFICATIONS AND MARK JOINT LOCATIONS ON FORMS FOR REVIEW BY OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO ORDERING CONCRETE.
- H. WHETHER OR NOT SPECIFICALLY CALLED FOR ON THE DRAWINGS, PROTECT FROM DAMAGE ALL EXISTING FEATURES WITHIN AND IN THE VICINITY OF THE WORK AREA WHICH ARE NOT TO BE ALTERED BY
- 1. DOCUMENT THE EXISTING CONDITION AND PROVIDE SUCH DOCUMENTATION TO OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO BEGINNING WORK.
- 2. PROTECT DURING CONSTRUCTION FROM PHYSICAL AND ESTHETIC DAMAGE INCLUDING CRACKING. SCRAPING, DEFORMING, SOILING, AND SPATTER FROM PAINT, CONCRETE OR ASPHALT EMULSION. 3. RESTORE TO PRE-CONSTRUCTION CONDITION AND APPEARANCE TO SATISFACTION OF DISTRICT AT NO ADDITIONAL COST TO DISTRICT.

- 3 PROTECT EXISTING PAVEMENT TO REMAIN.
- 4 PROTECT EXISTING RIBBON GUTTER TO REMAIN.
- 5-9 NOT USED.
- SITE IMPROVEMENTS:
- 10 CONSTRUCT SAWCUT LINE WHERE SHOWN ON PLAN AND PER DETAIL 1 / CD-1. PROTECT EXISTING EDGE OF A.C. OR CONCRETE IMPROVEMENT TO REMAIN UNTIL CONSTRUCTION OF CONFORMING IMPROVEMENTS (TYPICAL).
- 11 CONSTRUCT A.C. PAVEMENT STRUCTURAL SECTION PER DETAIL 2 / CD-1.
- 13 CONSTRUCT 3' WIDE ADA COMPLIANT CONCRETE RIBBON GUTTER PER DETAIL 3 / CD-1.
- 14 CONSTRUCT TRANSITION BETWEEN STANDARD AND ADA COMPLIANT CONCRETE RIBBON GUTTER OVER 5 LINEAR FEET AS SHOWN ON PLAN.
- 15 CONSTRUCT FENCE AND/OR GATE PER ARCHITECT'S PLANS AND SPECIFICATIONS.
- 16 CONSTRUCT PORTABLE CLASSROOM BUILDING PER ARCHITECT'S PLANS AND SPECIFICATIONS.
- 17 CONSTRUCT STEPS PER ARCHITECT'S PLANS AND SPECIFICATIONS.
- 19 CONSTRUCT PORTABLE RAMP AND LANDING PER ARCHITECT'S PLANS AND SPECIFICATIONS.
- 20 CONSTRUCT 2" AC DIKE ON EXISTING PAVEMENT PER DETAIL 5 / CD-1. 21-29 NOT USED.



APP: 03-123803 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹



KRUGER BENSEN ZIEMER ARCHITECTS, INC. AIA 30 W. ARRELLAGA STREET SANTA BARBARA CA 93101 TELEPHONE (805) 963-1726 FAX (805) 963-2951 TODD A JESPERSEN, AIA PRINCIPAL-IN-CHARGE

NHU HOANG

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-/-/- XX REVISION DESCRIPTION DATE BY

DRAWN CY CHECKED FS DATE 02/22/2024 JOB. NO. 21070

SHEET SITE IMPROVEMENT PLAN



**IMPORTANT NOTICE** 

—(3) #4 LONGITUDINAL AND #4@24" O.C. HORIZONTAL

4" MIN.

PLACE & COMPACT CL.
2 AGG. BASE TO MIN
95% OF MAX. DENSITY
BENEATH GUTTER.

CONCRETE PER SPECIFICATIONS—

12" MIN.

COMPACT SUBGRADE TO MIN. 90% OF MAX. DENSITY

2% MAX.

AT 10' INTERVALS

CONSTRUCT WEAKENED-PLANE CONTROL JOINTS

CONSTRUCT ½" RADIUS ROUNDING ON ALL EXPOSED CORNERS

**CONCRETE GUTTER DETAIL** 

NOT TO SCALE





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TODD A JESPERSEN, AIA PRINCIPAL-IN-CHARGE NHU HOANG ARCHITECTURAL ASSISTANT

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CONSULTANT INFORMATION

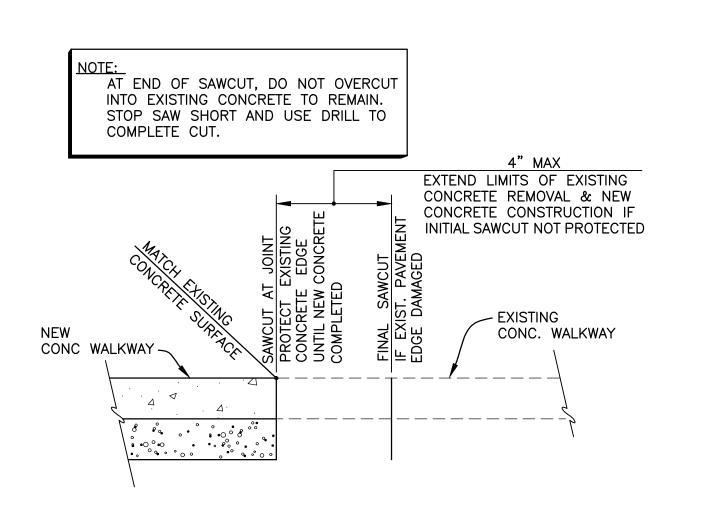


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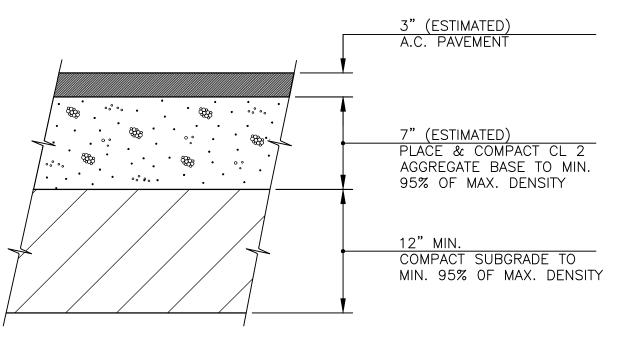
DRAWN CY CHECKED FS DATE 02/22/2024 JOB. NO. 21070

SHEET DETAILS TITLE

CD-1

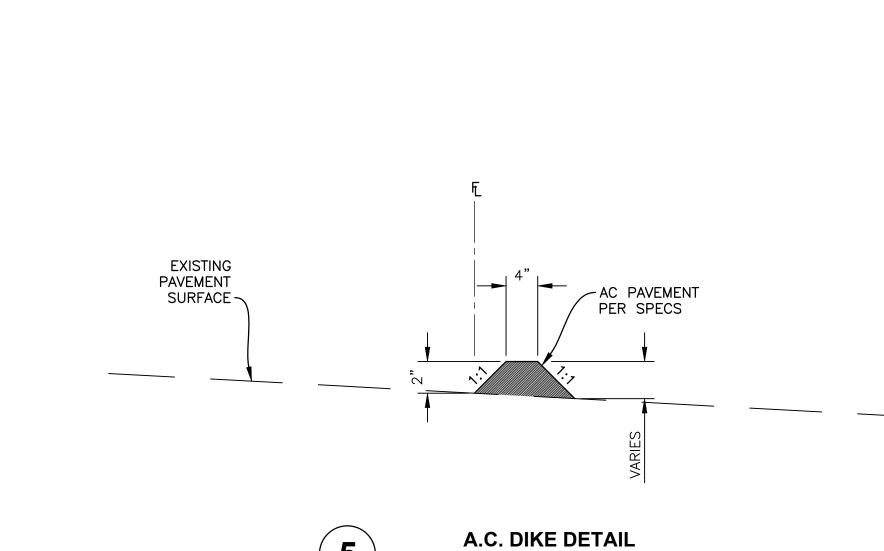




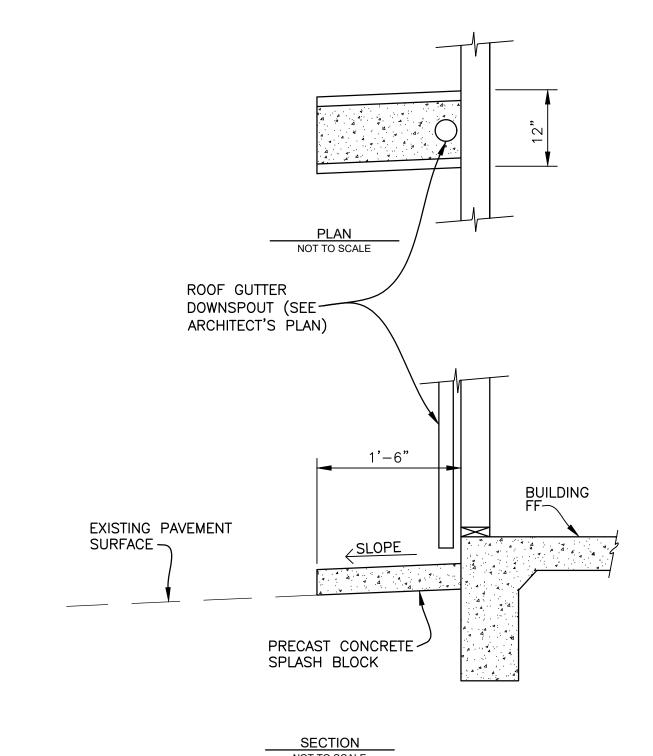


ACTUAL THICKNESS OF A.C. PAVEMENT AND AGGREGATE BASE SHALL BE DETERMINED DURING CONSTRUCTION BY THE GEOTECHNICAL ENGINEER PURSUANT TO R-VALUE TESTING OF SUBGRADE BASED ON T.I.=5.0.

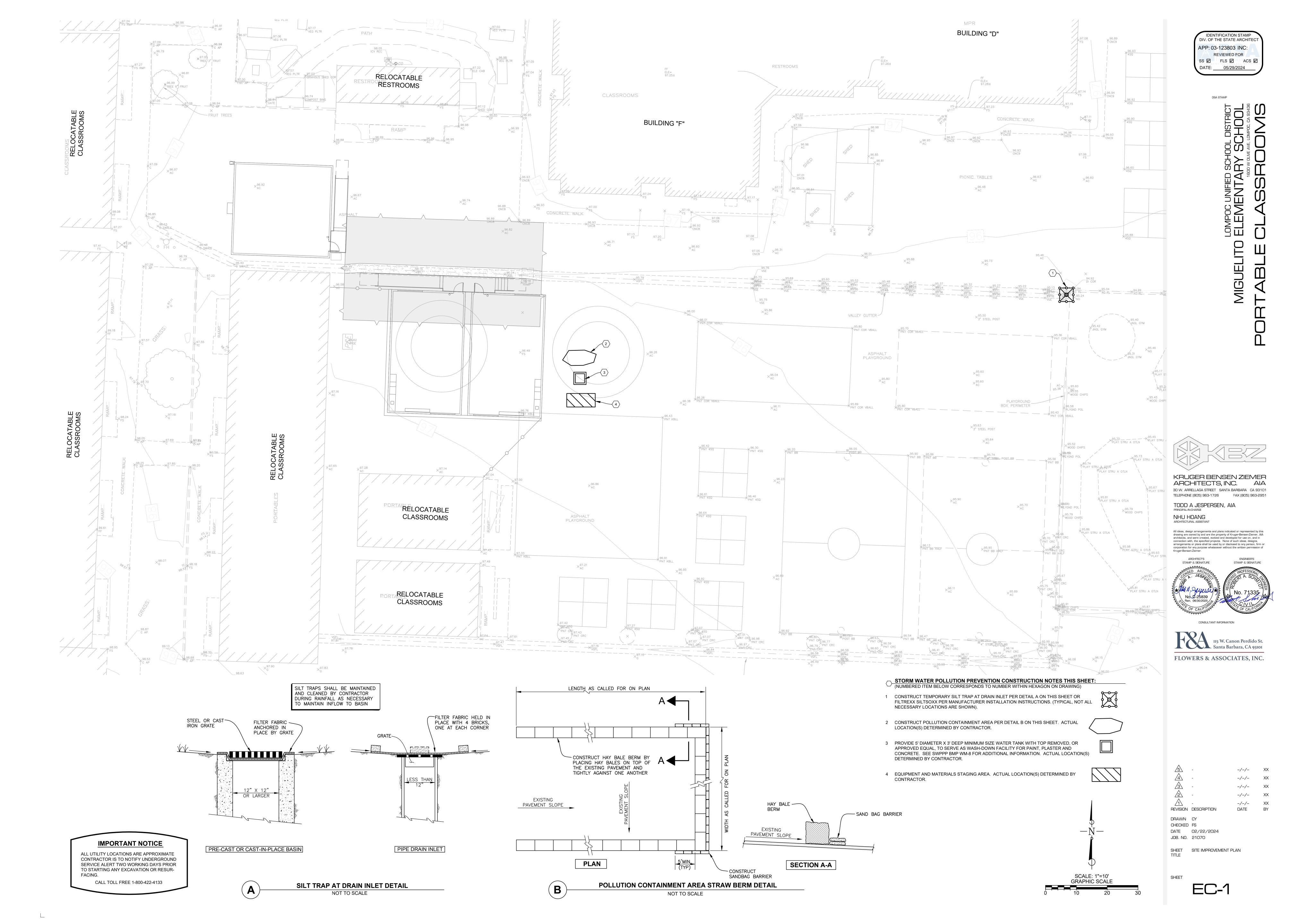




NOT TO SCALE



ROOF DRAIN DOWNSPOUT TO SPLASH BLOCK DETAIL NOT TO SCALE





810

#### FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and

imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

Sch	nool District/Owner: Lompoc Unified School District			
Pro	ject Name/School: Miguelito ES New and Relocated Portable Classrooms			
Pro	ject Address: 1600 W Olive Ave, Lompoc, CA 93436			
FIR	E & LIFE SAFETY INFORMATION			
1.	Has a fire hydrant flow test been performed within the past 12 months?  (If yes, provide a copy of the test data.)	Yes 🗹		No 🗆
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes 🗹		No □
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.)	Yes 🗆		No 🗷
	Refer to the following website for FHSZ locations: http://eqis.fire.ca.gov/FHSZ/	Moderate □	High □	Very High □
	Wildland Interface Area (WIFA) (If any designations are checked, project requirements of CBC Chapter 7A.)	t design must m	eet the	WIFA 🗆

#### FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CON	Y		RNATE	CCEPTE	ED
	F	Yes	No	N/A	N/R
4.	Emergency vehicle access roadways do not meet CFC requirements.			V	
4a.	Acceptable Alternate: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	Fire Hydrants: Number and spacing does not meet CFC requirements.			V	
5a.	Acceptable Alternate: Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6.	Fire Hydrants: Water flow and pressure are less than CFC minimum.			~	
6a.	Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			~	
7a.	Acceptable Alternate: The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

#### School District Acceptance of Acceptable Design Alternates

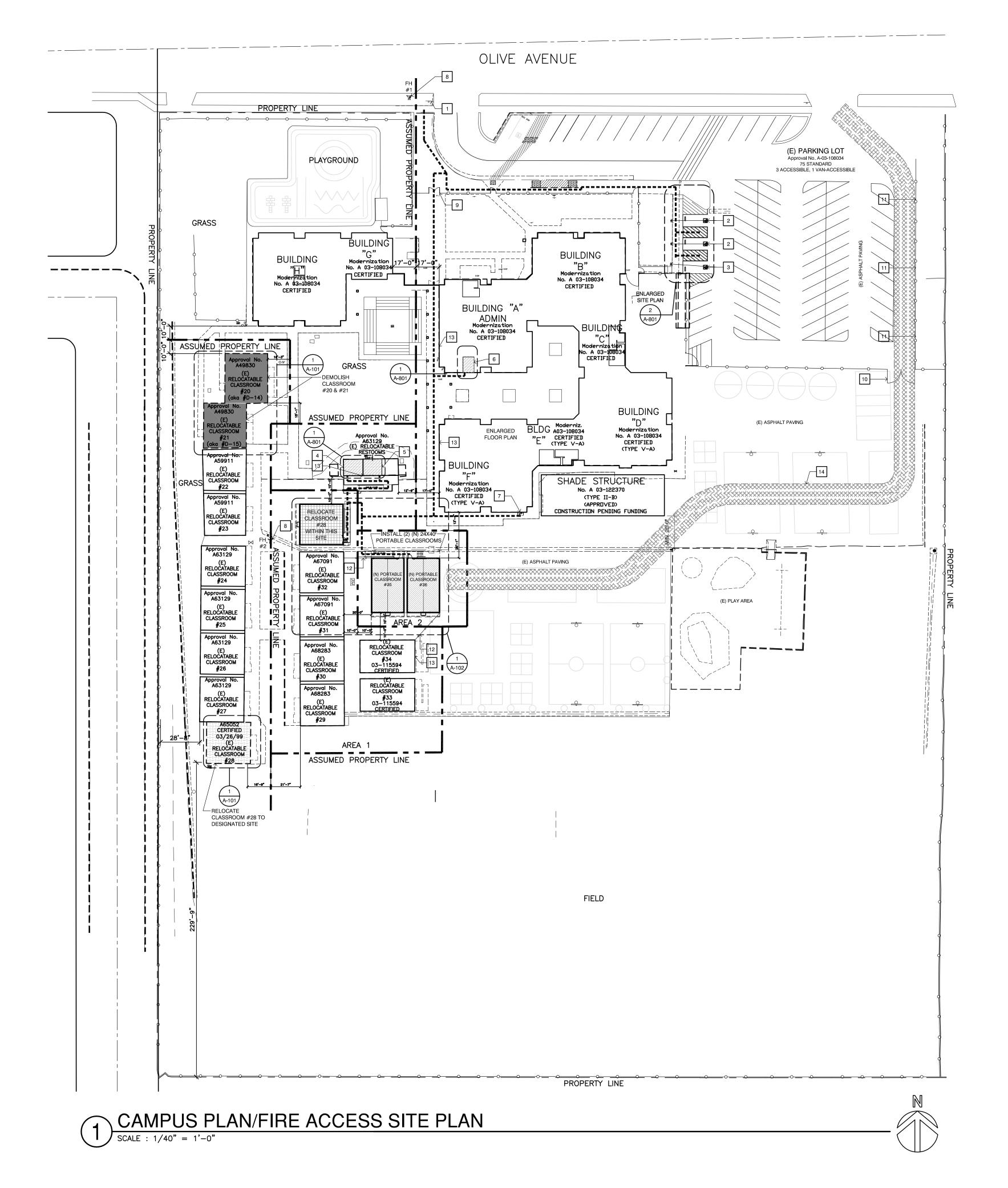
By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by:	Title:	
Signature:	Date:	
LOCAL FIRE AUTHORITY (LFA) INFORMATION		

LFA Agency Name: Lompoc Fire Department	
LFA Review Official: Dena Paschke	
Title: Battalion Chief / Fire Marshal	Work Phone: (805) 875-8063

LFA Reviewer's Signature: Date: 02/08/24

#### **Hydrant Flow Test Report** <u>Location</u> Tested by Miguelito Elementary School Jacen Swanson & Gary Armstrong 1600 W. Olive Ave Alpha Fire Unlimited Lompoc, CA 93436 650 Sweeney Ln San Luis Obispo, CA 93401 Read Hydrant Flow @ Hydrant #1 110 psi static pressure Read @ Hydrant #2 105 psi residual pressure 0 ft hydrant elevation Flow Graph 7026.3 gpm at 20 psi 0 1500 3000 6000 4500



SITE PLAN KEYNOTES UPDATE (E) PARKING LOT ENTRANCE SIGN IN COMPLIANCE WITH THE CURRENT ACCESSIBILITY CODE REQUIREMENTS (03-108034 CERTIFIED) \(\lambda -801 \right) (E) ACCESSIBLE PARKING SPACE & SIGN IN COMPLIANCE WITH THE CURRENT ACCESSIBILITY CODE REQUIREMENTS (03-108034 CERTIFIED) (E) VAN ACCESSIBLE PARKING SPACE & SIGN IN COMPLIANCE WITH THE CURRENT ACCESSIBILITY CODE REQUIREMENTS A-801 A-801 (03-108034 CERTIFIED) (E) ACCESSIBLE GIRLS RESTROOM / 1 (E) ACCESSIBLE GIRLS F (03-108034 CERTIFIED) (E) ACCESSIBLE BOYS RESTROOM (03-108034 CERTIFIED) (E) ACCESSIBLE ALL-GENDER RESTROOM (03-108034 CERTIFIED) 7 (E) HI-LO DRINKING FOUNTAIN (03-108034 CERTIFIED)  $\frac{6}{A-801}$ 8 (E) FIRE HYDRANT 9 REMOVE (E) WROUGHT GATE AND INSTALL (N) ACCESSIBLE DOUBLE GATE REMOVE (E) CHAIN-LINK DOUBLE GATE AND POSTS AND INSTALL (N) 20' WIDE CHAIN-LINK DOUBLE GATE (A-801) 11 (N) FIRE LANE SIGNAGE S4 12 (N) CHAIN LINK FENCE 13 (E) OUTDOOR FIRE ALARM HORN (E) 20' WIDE FIRE LANE (03-115594 CERTIFIED) GENERAL NOTES 1. PROTECT ALL EXISTING STRUCTURES, UTILITIES & LANDSCAPING DURING CONSTRUCTION. 2. PLANS WERE PREPARED USING AS-BUILT DRAWINGS RECEIVED FROM THE SCHOOL DISTRICT. THE CONTRACTOR SHALL FIELD VERIFY EXISTING ACTUAL CONDITIONS PRIOR TO START OF WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. 3. CAMPUS-WIDE MODERNIZATION UNDER A-03-108034 (CERTIFIED) NON-FLOOD HAZARD FLOOD ZONE DESIGNATION: ZONE X (MINIMAL RISK AREA WHERE FLOOD INSURANCE IS NOT MANDATORY) FLOOD INSURANCE RATE MAP (FIRM) PANEL 06083C0738G DESIGNATION: MAP PARCEL NO. 060334 EFFECTIVE DATE OF FIRM: 12/4/2012 AREA OF MINIMAL FLOOD HAZARD ZONE X COMMUNITY: CITY OF LOMPOC

#### PATH OF TRAVEL

PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESS IS AT LEAST 48" WIDE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAX. SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4"VERTICAL AND IS AT LEAST 48 INCHES WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE NOTED. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT.

PATH OF TRAVEL (POT) AS VERIFIED BY ARCHITECT IS:

• A COMMON BARRIER FREE ACCESSIBLE ROUTE AT LEAST 48" WIDE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT

- EXCEED 1/4"VERTICAL.

   THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH.
- THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH.
   PASSING SPACES AT LEAST 60" X 60" ARE LOCATED NOT MORE THAN 200' APART.
   CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS NOT MORE THAN 400' APART.
- CROSS-SLOPE DOES NOT EXCEED 2%.
   SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED AS A RAMP.
   MAINTAIN POT FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, PROTRUDING OBJECTS GREATER

THAN 4" PROJECTION FROM WALL OR EDGE AND 27" ABOVE FINISH GRADE.

FOR GRATINGS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAYS AT PATH OF TRAVEL, GRID/OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2" MAX. IN THE DIRECTION OF TRAFFIC FLOW.

GATES SERVING THE MEANS OF EGRESS SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 1008. GATES USED AS A COMPONENT IN A MEANS OF EGRESS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS FOR DOORS. PROVIDE LEVER HARDWARE AND KICKPLATE. FIRE AND LIFE SAFETY MAY REQUIRE PANIC HARDWARE FOR EMERGENCY EXITING EVEN WITH THE SIGN. COORDINATE WITH FIRE AND LIFE SAFETY REQUIREMENTS. GATES WITHIN ACCESSIBLE ROUTE OF TRAVEL MUST COMPLY WITH ALL APPLICABLE DOOR REQUIREMENTS. 11B-404.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT
THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE
CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR
ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT
WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO
BE NON COMPLIANT
1. HAVE BEEN IDENTIFIED
2. THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE

SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON CONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

#### CODE ANALYSIS

PROPOSED AREAS & USES: AREA 1				
Portable Classrooms	2 @ 960 sf (gross) + 180 5 @ 960 sf (gross) + 210 total	`		2.280 sf 5,850 sf 8,130 sf <9,500 sf
AREA 2 portable classrooms	2 @ 960 sf (gross) + 180 total	sf (overhang)	=	2.280 sf 2,280 sf <9,500 sf
OCCUPANCY GROUP:	Classrooms	Group E	CI	BC Chapter 305.1
CONSTRUCTION TYPE:	Type VB Nonsprinklered (NS)		CI	BC Chapter 602.2
FIRE-RESISTANCE RATING:	Ext Bearing Walls Int Bearing Walls Nonbearing Int Partitions Floor Construction Roof Construction	0 hours 0 hours		BC Table 601
	Exterior Walls based on I $X < 10$ feet $X \ge 10$ feet	Fire Separation 1 hour 0 hour	CI	3C Table 705.5

CBC Tables 506

Group E 9,500 sf 40 feet 1 story 504.3 and 504.4

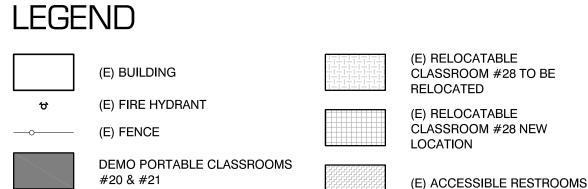
ALLOWABLE AREA INCREASES:

Not required, all buildings are below allowable area (9,500 sf) and building heights (1 story / 40 feet).

FIRE FLOW REQUIREMENTS:	10,410 SF to	tal	CFC Appendix BB
Floor/Roof Area:	9,401-11,300	) SF	CFC Table BB105
Construction Type:	Type V-B		
Minimum Fire Flow:	2,750 GPM	/Tested Fire Flow:	7026.3 GPM (C
Minimum Duration:	2 hours		

# AREA OF SAFE DISPERSAL

Not required; exit discharge provides a direct and unobstructed access to public way per CBC 1028.5.





(E) 20' WIDE FIRE LANE

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 03-123803 INC:

REVIEWED FOR
SS FLS ACS DATE: 05/29/2024

DSA STAMP

LOMPOC UNIFIED SCHOOL DISTRICT
MIGUELITO ELEMENTARY SCHOOL
1600 WOLNE ANE, LOMPOC, CA 33436

DRTABLE CLASSROOMS



KRUGER BENSEN ZIEMER ARCHITECTS, INC. AIA
30 W. ARRELLAGA STREET SANTA BARBARA CA 93101
TELEPHONE (805) 963-1726 FAX (805) 963-2951

PRINCIPAL-IN-CHARGE
NHU HOANG
ARCHITECTURAL ASSISTANT

TODD A JESPERSEN, AIA

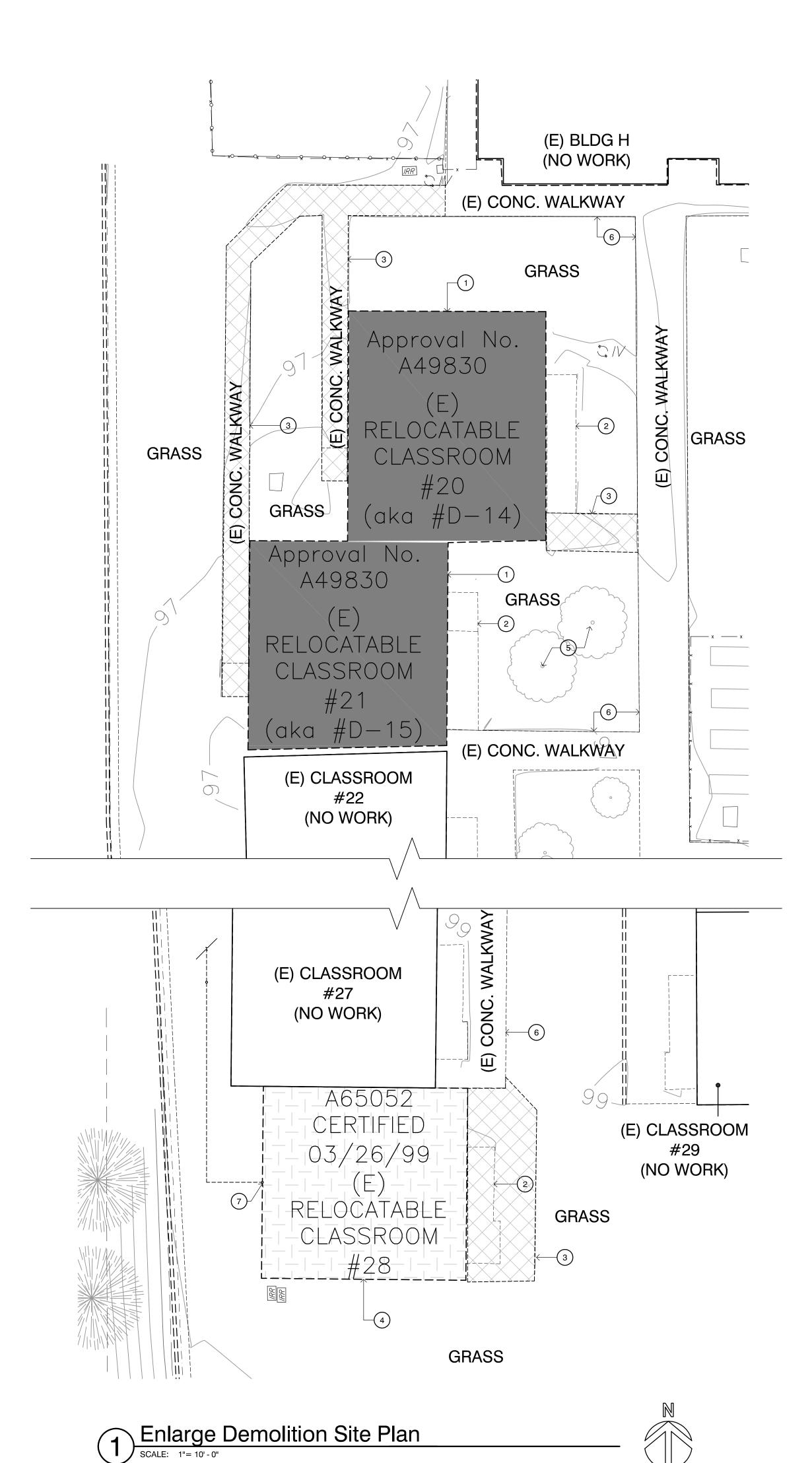
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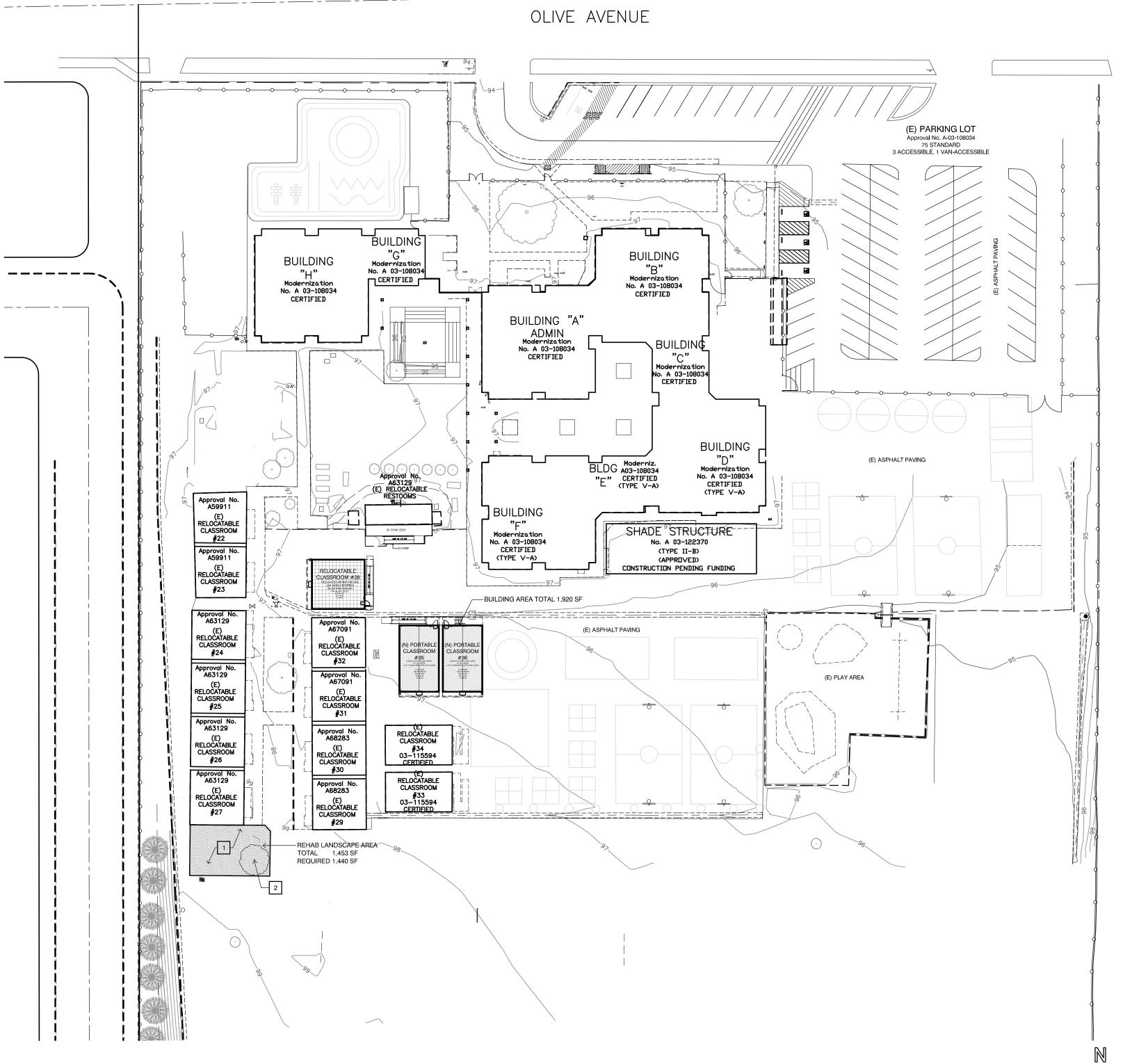


CONSULTANT INFORMATION

SHEET CAMPUS PLAN/FIRE ACCESS SITE PLAN
TITLE CODE ANALYSIS
LFA APPROVAL

A-100





#### IDENTIFICATION STAMP DIV. OF THE STATE ARCHIT

**Demolition Keynotes** 

DEMO (E) PORTABLE CLASSROOMS #20, #21 AND CONCRETE PADS

2 REMOVE DECK, RAMP, STAIRS, GUARDRAILS AND HANDRAILS

RELOCATE PORTABLE CLASSROOM #28 PER SHEET A-102 AND DEMO (E) CONC. PAD

CAP GAS LINE CONNECTION AT THE (E) LOCATION OF PORTABLE CLASSROOM #28

SEE ELECTRICAL DRAWINGS FOR ADDITIONAL SCOPE OF

THE DISTRICT SHALL HAVE FIRST RIGHT OF SALVAGE.

PROPERTY AND SHALL BE REMOVED FROM THE SITE.

**ENVIRONMENT CONTROLS REQUIRED TO MEET COUNTY** 

THE DISTRICT WILL OCCUPY BUILDINGS ADJACENT TO THE DEMOLITION WORK. MAINTAIN ACCESS TO ALL

5. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING

8. ELECTRICAL DEMOLITION SHALL BE DONE BY THEIR

 AT BUILDING(S) AND RAISED CONCRETE WALLS/CURBS BEING FULLY DEMOLISHED, REMOVE FOUNDATION OF STRUCTURE IN ITS ENTIRETY. INFILL BELOW GRADE

AREAS RESULTING FROM FOUNDATION DEMOLITION.

. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS OFF

SITE MEETING ALL LOCAL AND STATE CODES AND

12. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING

Construction Keynotes

(N) SHADED TREE, #10 CONTAINER SIZE MIN. OR EQUAL TO PROVIDE SHADE OVER 20% OF THE

LANDSCAPE AREA WITHIN 15 YEARS

(E) CONCRETE WALKWAY

& #21 TO BE DEMOLISHED

(E) RELOCATABLE CLASSROOMS #20

(E) RELOCATABLE CLASSROOM #28

(E) RELOCATABLE CLASSROOM #28

BUILDING AREA 1,920 SF TOTAL

REHAB LANDSCAPE AREA

(N) RELOCATABLE CLASSROOMS #35 & #36

TO BE DEMOLISHED

TO BE RELOCATED

NEW LOCATION

1,453 SF TOTAL

THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA

EXISTING CONDITIONS AND DIMENSIONS.

6. DO NOT INTERRUPT UTILITIES SERVING OCCUPIED FACILITIES WITHOUT PRIOR AUTHORIZATION.

7. PROTECT EXISTING SITE IMPROVEMENTS AND

IDENTIFY AND SAFELY CAP OFF (E) UTILITIES.

AIR POLLUTION CONTROL REGULATIONS PRIOR TO START

THE CONTRACTOR SHALL PROVIDE ALL NECESSARY

DEMOLISHED MATERIALS NOT INDICATED TO BE

SALVAGED SHALL BECOME THE CONTRACTOR'S

(3) DEMO (E) CONCRETE WALKWAY AS INDICATED

5 PROTECT (E) TREE IN PLACE

(E) CONC WALKWAY TO REMAIN

**Demolition Notes** 

OF DEMOLITION WORK.

LANDSCAPING TO REMAIN.

RESPECTIVE TRADES.

ORDINANCES.

1 (N) MULCHED AREA

Legend

OCCUPIED AREAS.

APP: 03-123803 INC:

REVIEWED FOR

SS FLS ACS

DSA STAMP

EMENTARY SCHOOL

1600 W OLIVE AVE, LOMPOC, CA 93436

ASSACO

KRUGER BENSEN ZIEMER

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TODD A JESPERSEN, AIA
PRINCIPAL-IN-CHARGE

NHU HOANG
ARCHITECTURAL ASSISTANT

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ARCHITECT'S ENGINEER'S STAMP & SIGNATURE STAMP & SIGNATURE

CALIFORNIA

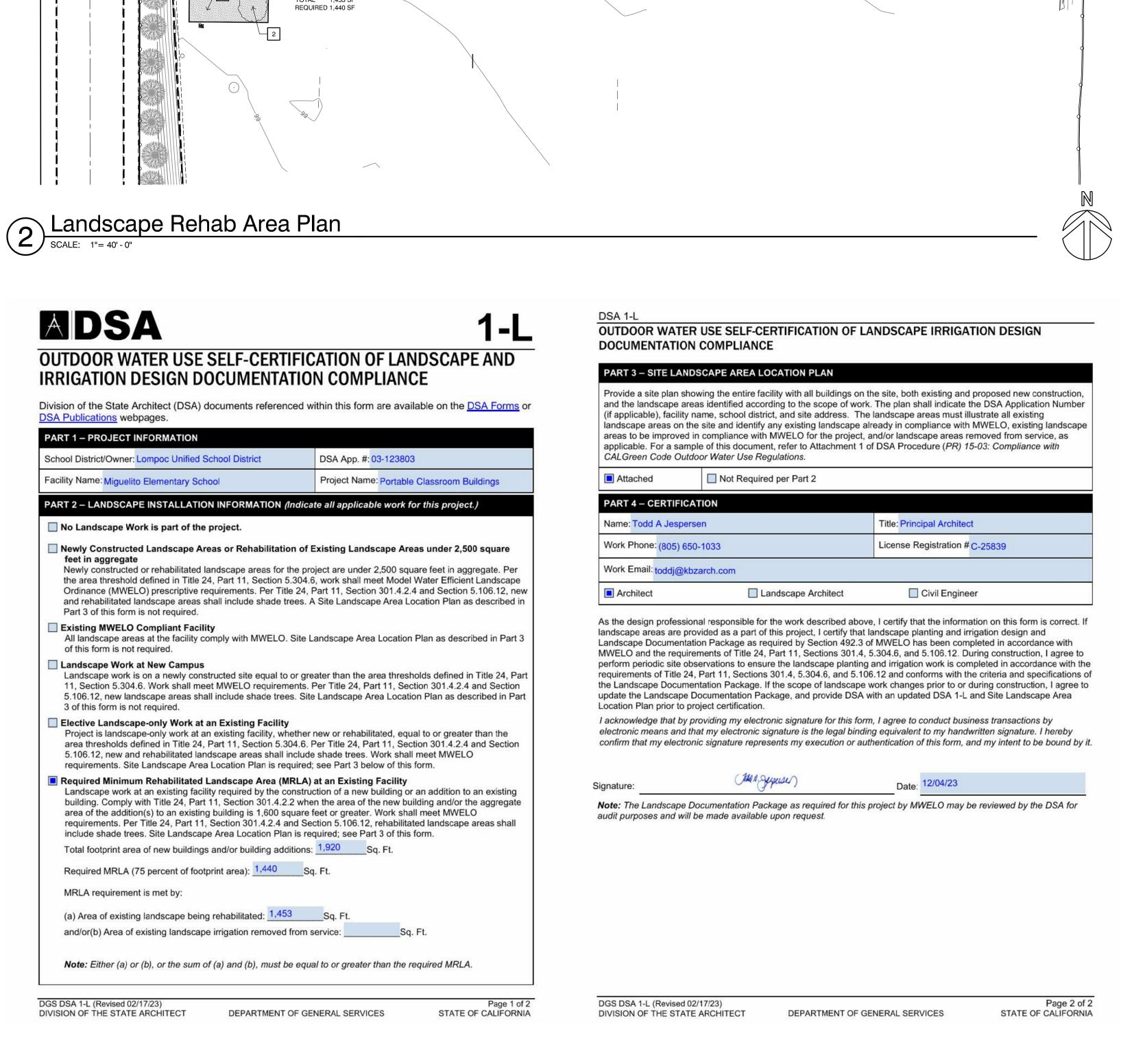
CONSULTANT INFORMATION

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REVISION DESCRIPTION DATE

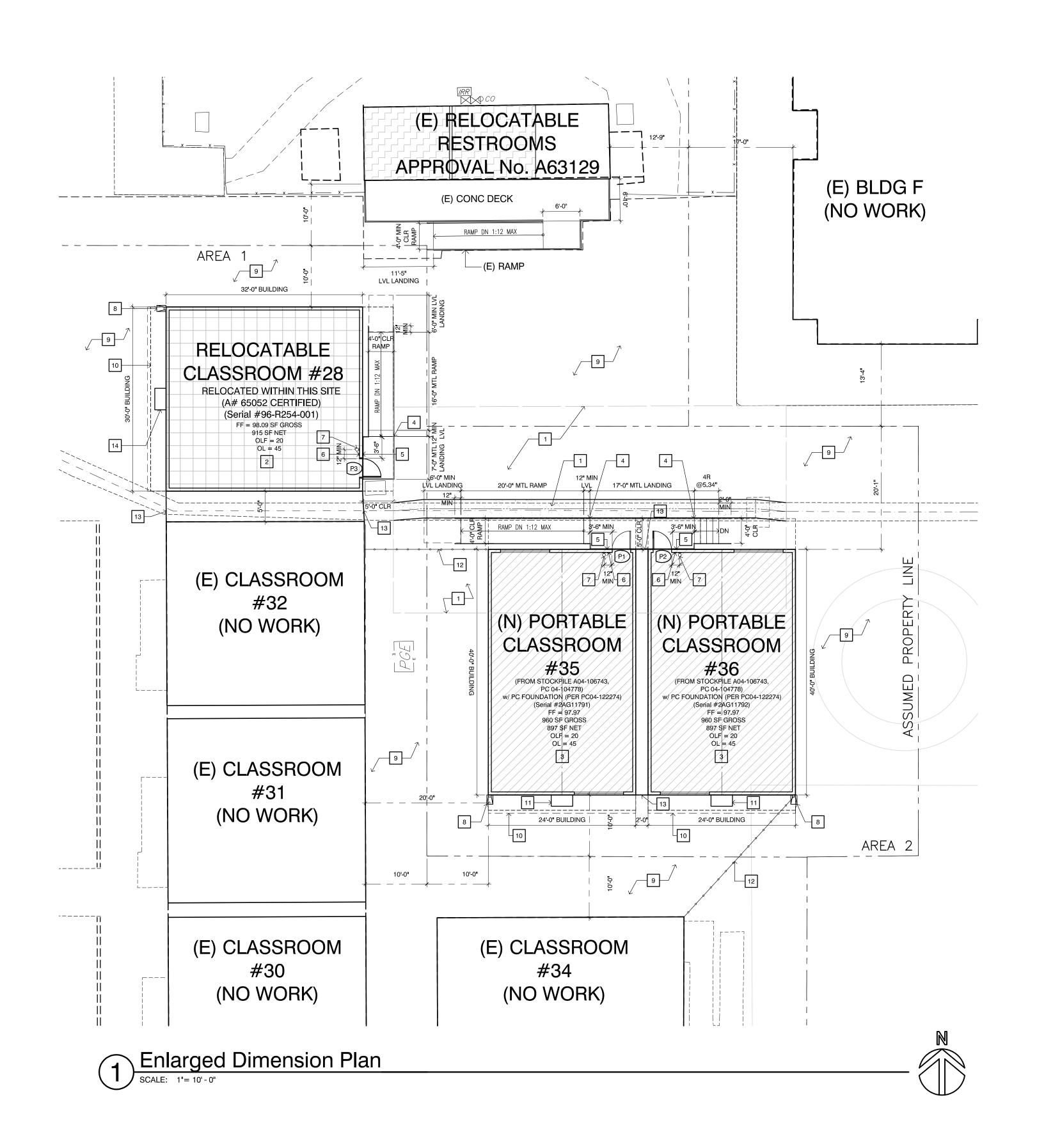
DRAWN NH
CHECKED TJ
DATE 02/26/2024
JOB. NO. 21070

SHEET ENLARGED DEMOLITION SITE PLAN
TITLE & LANDSCAPE REHAB PLAN

A-101







### Site Plan General Notes

- 1. SEE C-1 FOR DETAILED SITE PLAN AND GRADING PLAN.
- 2. SEE ELECTRICAL FOR ADDITIONAL WORK.
- 3. MODULAR MANUFACTURER STRUCTURAL FOUNDATION AND NOTES PER 1
- 4. AT DOORS P1 AND P2, REPLACE (E) DOOR LOCKSET WITH DISTRICT STANDARD LOCKSET: SCHLAGE ND93TD RHO X 10-013 WITH EVEREST PRIMUS LEVEL 3 CORE. BALANCE OF HARDWARE IS EXISTING AND COMPLIES WITH ADA/CBC CHAPTER 11B

## Site Plan Keynotes

- 1 SITE IMPROVEMENT PER CIVIL C-1 & EC-1
- PRELOCATED (E) 30X32 PORTABLE CLASSROOM #28, SEE AMERICAN MODULAR MANUF. PLANS
- NEW 24X40 PORTABLE CLASSROOM #35 & #36, SEE MSI MANUF. PLANS
- PREMANUFACTURED MTL RAMP, LANDING, HANDRAILS & STAIRS BY TMP, PC 04-122262
- ROOM ID SIGN PER DETAIL A-801 ON EXTERIOR SIDE OF DOOR
- 6 EXIT RAMP DOWN SIGN PER DETAIL A-801 ON INTERIOR OF DOOR
- SURFACE-MOUNTED FIRE EXTINGUISHER (RATED 2A:10B:C MIN) MOUNTED AT 48 INCHES MAX TO TOP OF HANDLE
- 8 DOWNSPOUT PER  $\frac{2}{A-802}$
- 9 (E) ASPHALT CONCRETE SURFACE
- 10 ROOF OVERHEAD AND GUTTERS, SHOWN AS DASHED
- A/C UNIT BY MOBILE MODULAR; SITE CONTRACTOR TO PROVIDE PELICAN THERMOSTAT "T-1" PER A-802 AND PROGRAM/INTEGRATE INTO CAMPUS SYSTEM
- 12 (N) CHAIN FENCE PER A-802
- 13 (N) PLYWOOD BARRIER/FENCE
- REPLACE (E) GAS-FIRED WALL-MOUNTED HVAC UNIT WITH (N) ELECTRIC HEAT-PUMP UNIT, MODEL MAA1036HA050D++Z+1EE+A32++++++ SEE MANUF. DTL 4/(1-)S5 FOR REFERENCE

# LEGEND

(N) 3' WIDE ADA CONC. RIBBON GUTTER SEE C-1

(N) RELOCATABLE CLASSROOMS #35 & #36

(E) RELOCATABLE CLASSROOM #28 NEW LOCATION

(E) ACCESSIBLE RESTROOMS

## **ABBREVIATIONS**

ASPHALT CONCRETE PAVEMENT ASPHALT PAVING (EXISTING) BOTTOM OF RAMP CAN CANISTER CONC CONCRETE CTR CENTER DOWN EAST **EXISTING EDGE OF PAVEMENT** FINISH FLOOR FLOW LINE IRRIGATION CONTROL VALVE MAXIMUM MINIMUM METAL NORTH NEW POINT

RADIUS REQ'D REQUIRED SOUTH TOP OF CURB TOP OF CONCRETE TOP OF GRATE TOP OF LANDING TOP OF PAVEMENT

TOP OF RAMP TYPICAL WEST WITH WTR WATER

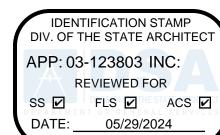
SIGNAGE SCHEDULE SIGNAGE INFO SIGN TYPE/ SEE KEYNOTES SIGN DETAILS \* MESSAGE SIGNAGE SIDE OF DOOR REMARKS PULL SIDE | PUSH SIDE | PUSH SIDE | PULL SIDE PUSH SIDE SK1 S5 CLASSROOM 35 EXIT RAMP DOWN P2 SK1 S5 CLASSROOM 36 | EXIT RAMP DOWN P3 SK1 SK1 S5 CLASSROOM 28 | EXIT RAMP DOWN

#### SIGNAGE KEYNOTES

SK1 ACRYLIC WITH SUBSURFACE PAINT OR PHOTOPOLYMER PANEL SIGN

# SIGNAGE GENERAL NOTES

\* 1. SEE SHEET A-801 FOR SIGN DETAILS



DSA STAMP

LOMPOC UNIFIED SCHOOL DISTRICT

DELEMENTARY SCHOOL

1600 W OLIVE AVE, LOMPOC, CA 93436

CLASSROOM



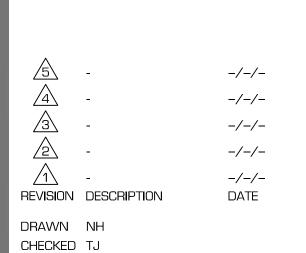
ARCHITECTS, INC. AIA 30 W. ARRELLAGA STREET SANTA BARBARA CA 93101 TELEPHONE (805) 963-1726 FAX (805) 963-2951 TODD A JESPERSEN, AIA PRINCIPAL-IN-CHARGE

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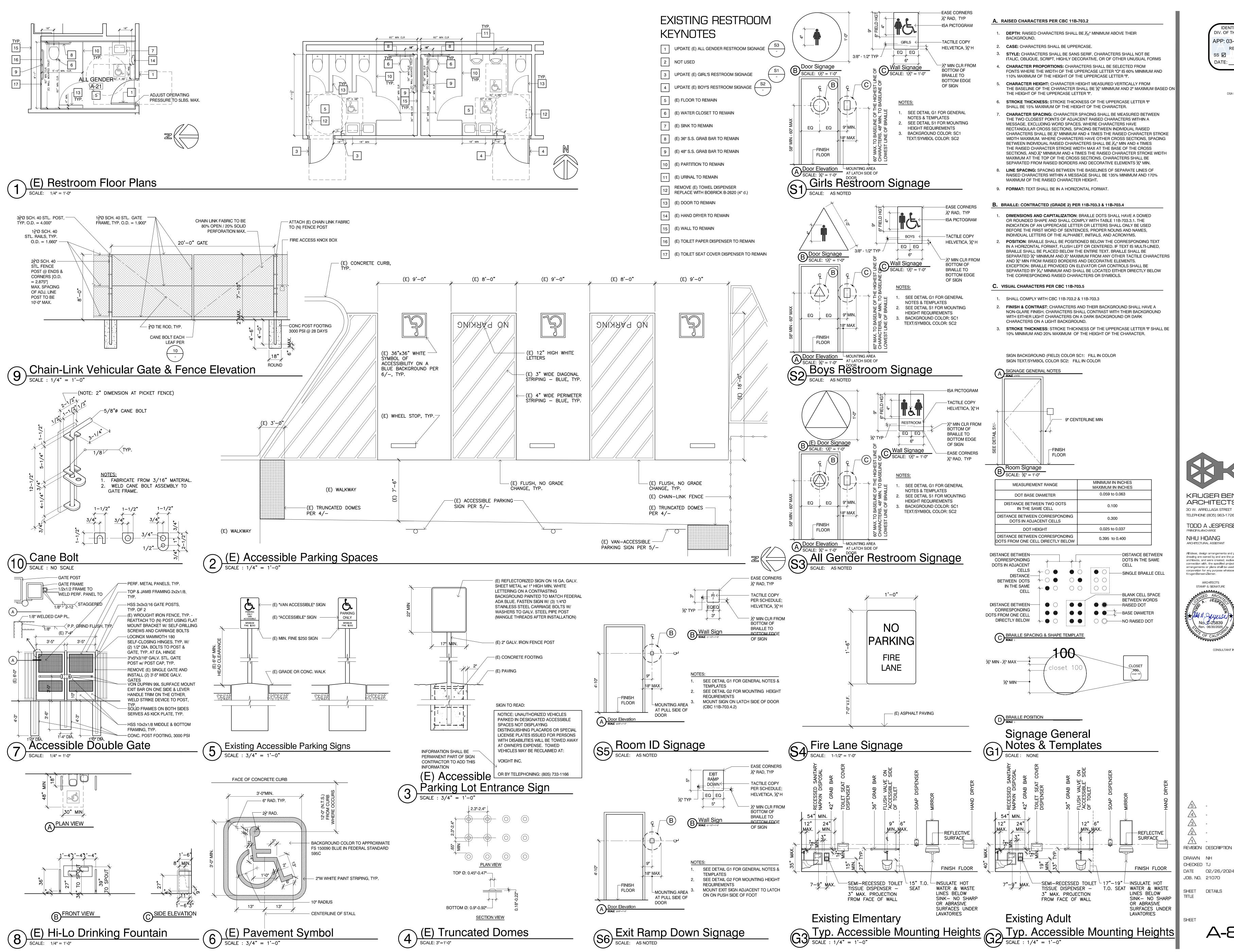
CONSULTANT INFORMATION



DATE 02/26/2024 JOB. NO. 21070

SHEET
TITLE ENLARGED DIMENSION PLAN





IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 03-123803 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

DSA STAMP

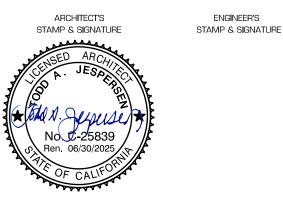
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CONSULTANT INFORMATION

REVISION DESCRIPTION DRAWN NH CHECKED TJ

SHEET DETAILS

A-801

#### MECHANICAL NOTES

1. SCOPE OF WORK: WORK INCLUDES THE FOLLOWING: FURNISH AND INSTALL ALL EQUIPMENT AND CONTROLS SHOWN ON THE ARCHITECTURAL, MECHANICAL, PLUMBING STRUCTURAL, AND ELECTRICAL DRAWINGS AND DESCRIBED IN THESE NOTES, AND THE CONTRACT DOCUMENTS. WORK INCLUDES BUT IS NOT LIMITED TO: REMOVE AND REPLACE EXISTING HEAT PUMPS AT PORTABLES, AND INSTALL NEW EXHAUST FANS; AND STARTUP AND COMMISSIONING OF NEW COMPLETE MECHANICAL AND CONTROL SYSTEMS AS DESCRIBED IN THE CONTRACT DOCUMENTS. INCLUDED ARE ALL DEVICES NEEDED TO MAKE COMPLETE AND FUNCTIONAL SPACE CONDITIONING SYSTEMS AND CONTROLS. CONTRACTOR SHALL FURNISH AND INSTALL, MAKE OPERABLE, AND TEST ALL SYSTEMS AND MECHANICAL EQUIPMENT SHOWN ON THE PLANS AND DESCRIBED IN THE SPECIFICATIONS AND CONTRACT DOCUMENTS. IN CONNECTION THEREWITH, CONTRACTOR SHALL ALSO FURNISH AND INSTALL ALL NECESSARY DEVICES, HARDWARE, AND SYSTEMS REQUIRED TO MAKE SAID EQUIPMENT PROPERLY AND SAFELY OPERABLE, INCLUDING BUT NOT LIMITED TO, MOUNTING HARDWARE INSULATION, FILTERS, DUCT SYSTEMS, AND CONTROL SYSTEMS.

2. EXAMINATION OF SITE AND CONTRACT DOCUMENTS. EACH BIDDER SHALL, AT ITS SOLE COST AND EXPENSE. INSPECT THE SITE OF THE PROPOSED WORK TO BECOME FULLY ACQUAINTED WITH CONDITIONS RELATING TO THE WORK AND TO FULLY UNDERSTAND THE FACILITIES, DIFFICULTIES AND RESTRICTIONS ATTENDING THE EXECUTION OF THE WORK UNDER THE CONTRACT DOCUMENTS AND COST THEREOF. BIDDERS SHALL THOROUGHLY REVIEW AND BE FAMILIAR WITH THE CONTRACT DOCUMENTS, INCLUDING WITHOUT LIMITATION, THE SPECIFICATIONS AND THE DRAWINGS. THE FAILURE OR OMISSION OF ANY BIDDER TO RECEIVE OR EXAMINE ANY OF THE CONTRACT DOCUMENTS, FORMS, INSTRUMENTS, ADDENDA, OR OTHER DOCUMENTS OR TO INSPECT THE SITE SHALL NOT RELIEVE SUCH BIDDER FROM ANY OBLIGATIONS WITH RESPECT TO THE BID PROPOSAL, THE CONTRACT OR THE WORK REQUIRED UNDER THE CONTRACT DOCUMENTS. THE OWNER ASSUMES NO RESPONSIBILITY OR LIABILITY TO ANY BIDDER FOR, NOR SHALL THE OWNER BE BOUND BY, ANY UNDERSTANDINGS. REPRESENTATIONS OR AGREEMENTS OF THE OWNER'S AGENTS, EMPLOYEES OR OFFICERS CONCERNING THE CONTRACT DOCUMENTS OR THE WORK MADE PRIOR TO EXECUTION OF THE CONTRACT.

3. INTERPRETATION OF DRAWINGS, SPECIFICATIONS OR CONTRACT DOCUMENTS. IF ANY BIDDER IS IN DOUBT AS TO THE TRUE MEANING OF ANY PART OF THE DRAWINGS, THE SPECIFICATIONS OR OTHER PORTIONS OF THE CONTRACT DOCUMENTS; FINDS DISCREPANCIES, ERRORS OR OMISSIONS THEREIN; OR FINDS VARIANCES IN ANY OF THE CONTRACT DOCUMENTS WITH APPLICABLE RULES, REGULATIONS, ORDINANCES AND/OR LAWS, A WRITTEN REQUEST FOR AN INTERPRETATION OR CORRECTION THEREOF MAY BE SUBMITTED TO THE ENGINEER. IT IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE BIDDER TO SUBMIT SUCH REQUEST IN SUFFICIENT TIME FOR THE PREPARATION OF A RESPONSE THERETO AND DELIVERY OF SUCH RESPONSE TO ALL BIDDERS PRIOR TO THE SCHEDULED CLOSING FOR RECEIPT OF BID PROPOSALS. ANY REQUEST OF ANY BIDDER, PURSUANT TO THE FOREGOING SENTENCE THAT I MADE LESS THAN SEVEN DAYS PRIOR TO THE SCHEDULED CLOSING DATE FOR THE RECEIPT OF BID PROPOSALS SHALL BE DEEMED UNTIMELY. ANY INTERPRETATION OR CORRECTION OF THE CONTRACT DOCUMENTS WILL BE MADE ONLY BY WRITTEN ADDENDUM DULY ISSUED BY THE OWNER OR THE ENGINEER. A COPY OF ANY SUCH ADDENDUM WILL BE MAILED OR OTHERWISI DELIVERED TO EACH BIDDER RECEIVING A SET OF THE CONTRACT DOCUMENTS. NO PERSON IS AUTHORIZED TO RENDER AN ORAL INTERPRETATION OR CORRECTION OF ANY PORTION OF THE CONTRACT DOCUMENTS TO ANY BIDDER. AND NO BIDDER IS AUTHORIZED TO RELY ON ANY SUCH ORAL INTERPRETATION OR CORRECTION. FAILURE TO REQUEST INTERPRETATION OR CLARIFICATION OF THE DRAWINGS, THE SPECIFICATIONS OR OTHER PORTIONS OF THE CONTRACT DOCUMENTS PURSUANT TO THE FOREGOING SHALL BE DEEMED TO BE A WAIVER OF ANY DISCREPANCY, DEFECT, OR CONFLICT THEREIN.

4. DIMENSIONS. ALL DIMENSIONS SHALL HAVE PREFERENCE OVER SCALE. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS BEFORE PROCEEDING WITH WORK. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON WORKING DRAWINGS. ALL SIZES OF EQUIPMENT AND MATERIALS SHALL BE VERIFIED WITH EQUIPMENT MANUFACTURER.

5. CODES AND STANDARDS: ALL WORK SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), 2022 CALIFORNIA BUILDING CODE, THE 2022 CALIFORNIA MECHANICAL CODE, THE 2022 CALIFORNIA PLUMBING CODE, THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, 2022 CALIFORNIA ELECTRIC CODE, THE STATE OF CALIFORNIA, EQUIPMENT MANUFACTURER'S RECOMMENDED PROCEDURES, AND STANDARD CONSTRUCTION PRACTICES. NOTE: ALL MECHANICAL EQUIPMENT SHALL BE IN STRICT ACCORDANCE WITH THE EQUIPMENT SCHEDULE, AND SHALL BE NEW AND FREE FROM DEFECTS CONTRACTOR SHALL OBTAIN APPROVED INSPECTIONS FOR ALL WORK AS REQUIRED BY OWNER AND LOCAL JURISDICTION. CONTRACTOR SHALL MAINTAIN IN EFFECT ALL INSURANCE REQUIRED BY STATE LAWS, LOCAL JURISDICTION AND GENERAL CONTRACTOR/OWNER, WHERE CONFLICT OR VARIATION EXISTS AMONGST CODES, SPECIFICATIONS OR DRAWINGS, THE MOST STRINGENT SHALL GOVERN.

NOTE: WHERE TWO OR MORE CODES CONFLICT, THE MOST RESTRICTIVE SHALL APPLY. NOTHING IN THESE PLANS AND SPECIFICATIONS SHALL BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO APPLICABLE CODES.

6. CONSTRUCTION OBSERVATION: IN ADDITION TO THE REQUIREMENT FOR OBTAINING INSPECTIONS BY THE LOCAL JURISDICTION, CONTRACTOR SHALL NOTIFY ENGINEER AT APPROPRIATE TIMES DURING THE CONSTRUCTION PROCESS SO THAT ENGINEER CAN VISIT SITE TO BECOME GENERALLY FAMILIAR WITH THE PROGRESS AND QUALITY OF CONTRACTOR'S WORK AND TO DETERMINE IF THE WORK IS PROCEEDING IN GENERAL ACCORDANCE WITH THE CONTRACT DOCUMENTS.

7. SUBMITTALS REQUIRED: PRIOR TO ORDERING EQUIPMENT AND MATERIALS, CONTRACTOR SHALL FURNISH TO ENGINEER / OWNER SUBMITTALS AND SHOP DRAWINGS OF ALL EQUIPMENT AND MATERIALS PROPOSED FOR USE IN THIS PROJECT. ORDERING OF EQUIPMENT AND MATERIALS SHALL ONLY PROCEED AFTER SATISFACTORY REVIEW OF ALL SUBMITTALS BY CONTRACTOR / ENGINEER / OWNER. COPIES OF ALL OWNER'S MANUALS, WARRANTIES AND OTHER WRITTEN INFORMATION REGARDING SYSTEMS SHALL BE PRESENTED TO OWNER PRIOR TO THE COMPLETION OF THE PROJECT.

8. UNIT LOCATIONS: EQUIPMENT AND SYSTEM LOCATIONS SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL STRUCTURAL MEMBERS AND EXISTING CONDITIONS IN THE FIELD, AND LOCATE UNITS AND DUCTWORK TO AVOID INTERFERENCE. ANY SIGNIFICANT DEVIATIONS FROM THE PLANS SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER. ALLOW CLEARANCE FOR DUCTWORK AND PIPING. ALL CLEARANCES REQUIRED BY UNIT MANUFACTURER SHALL BE MAINTAINED. ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH CODES AND THE RECOMMENDED INSTALLATION PROCEDURES PUBLISHED BY THE MANUFACTURER.

9. BALANCING: FOLLOWING INSTALLATION, CONTRACTOR SHALL START UP AND BALANCE ALL HVAC SYSTEMS TO CONFORM TO AIR VOLUMES INDICATED ON PLANS. COPIES OF BALANCING RECORDS SHALL BE FURNISHED TO BUILDING OWNER AND PROJECT ENGINEER.

10. CLEANUP: EVERY DAY, AND AFTER ALL WORK HAS BEEN COMPLETED, CONTRACTOR SHALL CLEAN ENTIRE JOB-SITE OF ALL DEBRIS ASSOCIATED WITH MECHANICAL SYSTEMS. EXPOSED PARTS WHICH ARE TO BE PAINTED SHALL BE THOROUGHLY CLEANED READY FOR PAINTING.

11. COORDINATION: MECHANICAL CONTRACTOR SHALL COORDINATE WORK WITH THE DISTRICT'S PROJECT MANAGER AND ALL RELATED TRADES. SYSTEM DOWNTOWN SHALL BE MINIMIZED.

12. COORDINATION DURING CONSTRUCTION: THE CONTRACTOR SHALL COORDINATE ANY NECESSARY CHANGES IN WORK SCHEDULING WITH THE OWNER TO MINIMIZE THE DISRUPTION. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY HIS WORK TO BUILDING(S) AND EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.

13. CORRECTION OF WORK: THE CONTRACTOR SHALL PROMPTLY CORRECT ALL WORK THE OWNER FINDS DEFECTIVE OR FAILING TO CONFORM TO THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BEAR ALL COSTS REQUIRED BY THE CONTRACT DOCUMENTS, IF ANY OF THE WORK IS FOUND TO BE DEFECTIVE OR NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL CORRECT IT PROMPTLY AFTER RECEIPT OF A WRITTEN NOTICE FROM THE OWNER TO DO SO.

14. EXISTING CONDITIONS: THE CONTRACTOR SHALL PROMPTLY INFORM THE PROJECT MANAGER IN WRITING OF ANY EXISTING CONDITION THAT COMPROMISES SAFETY INCLUDED BUT NOT LIMITED TO; ELECTRICAL, DUCT, PIPE OR EQUIPMENT SUPPORT, OR STRUCTURAL. IF ANY DEVICE, ELECTRICAL OR MECHANICAL, DOES NOT FUNCTION PROPERLY, THE CONTRACTOR SHALL PROMPTLY INFORM THE PROJECT MANAGER IN WRITING OF THE NATURE OF THE FAILURE, ANY PROPOSED REMEDY, AND THE COST OF REPAIR OR REPLACEMENT. CONTRACTOR SHALL INSPECT ALL VISIBLE EQUIPMENT AND PROVIDE A WRITTEN REPORT ON ANY DEFICIENCY.

15. AS-BUILT DRAWINGS SHALL BE GIVEN TO THE OWNER PRIOR TO ACCEPTANCE OF THE PROJECT. INCLUDED IN THE AS-BUILTS SHALL BE DOCUMENTATION AND TWO COPIES OF THE ANNOTATED PROGRAMMING ON MAGNETIC MEDIA AND PRINTED SHEETS.

16. FUNCTIONAL PERFORMANCE TESTING. CONTRACTOR SHALL CONFIRM THAT NEW SYSTEMS HAVE BEEN INSTALLED, PROPERLY STARTED, AND FUNCTIONING PROPERLY. CONTRACTOR SHALL PROVIDE SENSOR CALIBRATION SHEETS TO ENGINEER. CONTRACTOR SHALL PROVIDE CONTROL TECHNICIAN FOR 3 HOURS OF FUNCTIONAL TESTING WITH ENGINEER PRESENT. CONTROL TECHNICIAN SHALL MANIPULATE CONTROL PARAMETERS TO VERIFY THE OPERATION OF THE SYSTEMS.

17. INSTALL MERV 13 FILTERS. VERIFY SIZE OF FILTER.

#### MECHANICAL SCHEDULE

#### HEAT PUMP WALL MOUNT

	TAG	MANUF.	MODEL	SUPPLY CFM	COOLING (MBTUH) TOTAL/SENSIBLE	HEATING (MBTUH) INPUT/OUTPUT	MCA	EER	ELE(	CTRICAL [ PHASE	DATA HZ		W/ COATED CONDENSOR COIL, MOTORIZED TWO POSITION DAMPER INCLUDES PRESSURE RELIEF. CO2 SENSOR, 2" FILTER RACK W/ 2" MERV 13 FILTERS.	EXISTING MODEL
F	HP-1	MARVAIR	MAA1036HA000D++Z+1EEAA32+++	1200	36,000	35,000	28.5	11.0	230/208	1	60	397	UNIT MUST INCLUDE MANUFACTURER'S PARTS & LABOR WARRANTY FOR ONE FULL YEAR AND A DIGITAL DISPLAY FOR FAN SPEED ADJUSTMENT ON CONTROL BOARD.	BARD WAG-40B-A540

#### CONTROL SCHEDULE

THERMOSTAT. PELICAN - MODEL TC3 W/ CO2. PROGRAMMABLE. INTERNET CONNECTIVITY. PROVIDE REPEATERS AS NEEDED FOR COMMUNICATION WITH

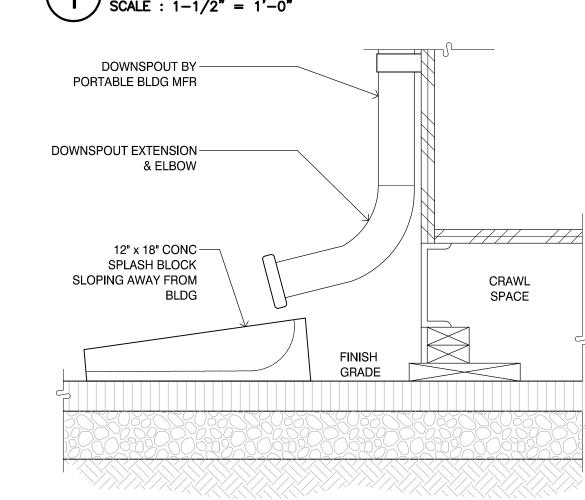
GW GATEWAY. PELICAN GW 400. WIRELESS GATEWAY WITH CABLE AND 110V ADAPTER. LOCATE IN IT ROOM

1. PROVIDE REPEATERS WITH POWER AS NEEDED FOR PROPER OPERATING CONNECTION 2. (E) THERMOSTAT IN RELOCATING CLASSROOM #28 TO REMAIN

Œ) 2⅓" MIN AC PAVINGo/ (E) 4" MIN COMPACTED AGGREGATE BASE o/ (E) COMPACTED SUBGRADE (E) FINISH GRADE

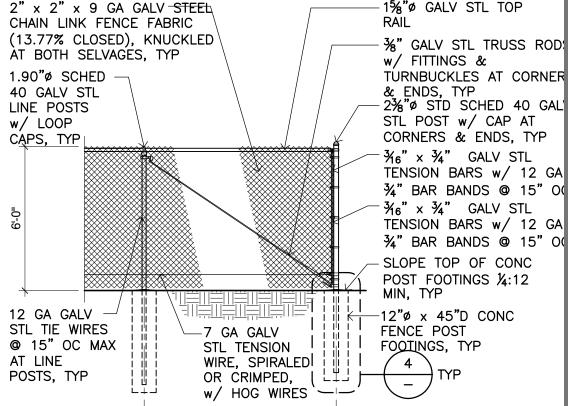
Typ Relocatable Bldg
on (E) AC Paving

SCALE: 1-1/2" = 1'-0"

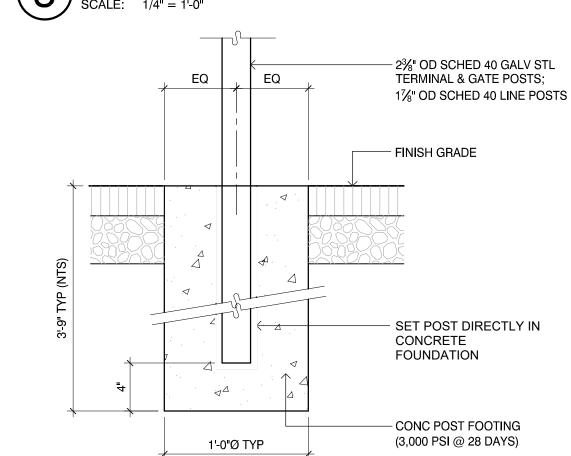


Splash Block @ Down Spouts

CHAIN LINK FENCES & GATES GENERAL NOTES: GALVANIZED COATING: CLASS 1 ZINC COATING, NOT LESS THAN 1.20 OZ/SF, CONFORMING TO ASTM A-392. 2. POST & LINE CAPS, RAIL & BRACE ENDS, RAIL SLEEVES & COUPLINGS, TIE WIRE & CLIPS, TENSION & BRACE BANDS, TENSION BARS AND TRUSS ROD ASSEMBLIES TO CONFORM TO ASTM F-626.



POSTS @ 8'-0" OC MAX



Typ Fence Post Base Detail

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITE

REVIEWED FOR

SS 🗹 FLS 🗹 ACS 🗹

DMPOC ILEM

APP: 03-123803 INC:

DATE: 05/29/2024

DSA STAMP

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4 REVISION DESCRIPTION DRAWN NH CHECKED TJ

A-802

DATE 02/26/2024

JOB. NO. 21070

SHEET DETAILS

# TORQUE, POUND - INCHES

WIDE		SLOTTEI NO. 10 AND		)	HEXAGONAL HE DRIVE SOCK	
WIRE SIZE	SLOT WIDT	H (IN.)	SLOT LENG	TH (IN.)	SPLIT-BOLT	OTHER
	TO 3/64	OVER 3/64	TO 1/4	OVER 1/4	CONNECTORS	CONNECTORS
18-10 AWG	20	35	20	35	80	75
8	25	40	25	40	80	75
6	35	45	35	45	165	110
4	-	45	-	45	165	110
3	1	50	1	50	275	150
2	1	50	ı	50	275	150
1	ı	50	ı	50	275	150
1/0	-	50	ı	50	385	180
2/0	ı	50	ı	50	385	180
3/0	1	50	1	50	500	250
4/0	ı	50	ı	50	500	250
250 kcmil	ı	50	ı	50	650	325
300	1	50	1	50	650	325
350	1	50	1	50	650	325
400	-	50	_	50	825	325
500	-	50	_	50	825	375
600	1	50	-	50	1000	375
700	ı	50	ı	50	1000	375
750	ı	50	1	50	1000	375
800	•	50	ı	50	1100	500
900	ı	50	ı	50	1100	500
1000	1	50	1	50	1100	500
1250	ı	_	1	-	1100	600
1500	1	_	ı	_	1100	600
1750	_	_	_	-	1100	600
2000	_	_	_	_	1100	600

AND ALUMINUM CONDUCTORS. THEY ARE FOR GUIDANCE ONLY WHERE NO TIGHTENING INFORMATION IS AVAILABLE AND SHOULD NOT BE USED TO REPLACE MANUFACTURERS' INSTRUCTIONS WHICH SHOULD ALWAYS BE FOLLOWED. (a) CLAMPING SCREWS WITH MULTIPLE TIGHTENING MEANS; FOR EXAMPLE, FOR A SLOTTED HEXAGONAL HEAD SCREW, USE THE HIGHEST TORQUE VALUE

ASSOCIATED WITH THE DIFFERENT TIGHTENING MEANS.

(b) FOR VALUES OF SLOT WIDTH OR LENGTH OTHER THAN THOSE SPECIFIED, SELECT THE LARGEST TORQUE VALUE ASSOCIATED WITH CONDUCTOR SIZE.

CEC ART. 310 CONDUCTOR DERATING

NEC #310.15 (B)(3)(a) ADJUSTMENT FACTORS

#### (a) MORE THAN THREE CURRENT—CARRYING CONDUCTORS IN A RACEWAY OR CABLE WHERE THE NUMBER OF CURRENT-CARRYING CONDUCTORS IN A RACEWAY OR CABLE EXCEEDS THREE, THE ALLOWABLE AMPACITIES SHALL BE REDUCED AS SHOWN IN THE

NUMBER OF CURRENT-CARRYING CONDUCTORS	PERCENT OF VALUES IN TABLES AS ADJUSTED FOR AMBIENT TEMPERATURE IF NECESSARY
4 THROUGH 6 7 THROUGH 9 10 THROUGH 20 21 THROUGH 30 31 THROUGH 40 41 AND ABOVE	80 70 50 45 40 35

#### LONGER THAN 24 INCHES (610 mm) WITHOUT MAINTAINING SPACING AND ARE NOT INSTALLED IN RACEWAYS, THE ALLOWABLE AMPACITY OF EACH CONDUCTOR SHALL BE REDUCED AS SHOWN IN THE ABOVE TABLE. EXCEPTION NO. 1: WHERE CONDUCTORS OF DIFFERENT SYSTEMS, AS PROVIDED IN

WHERE SINGLE CONDUCTORS OR MULTICONDUCTOR CABLES ARE STACKED OR BUNDLED

SECTION 300-3, ARE INSTALLED IN A COMMON RACEWAY OR CABLE, THE DERATING FACTORS SHOWN ABOVE SHALL APPLY TO THE NUMBER OF POWER AND LIGHTING (ARTICLES 210, 215, 220, AND 230) CONDUCTORS ONLY. EXCEPTION NO. 2: FOR CONDUCTORS INSTALLED IN CABLE TRAYS, THE PROVISIONS

OF SECTION 392.11 SHALL APPLY.

EXCEPTION NO. 3: DERATING FACTORS SHALL NOT APPLY TO CONDUCTORS IN NIPPLES HAVING A LENGTH NOT EXCEEDING 24 INCHES (600mm).

EXCEPTION NO. 4: DERATING FACTORS SHALL NOT APPLY TO UNDERGROUND CONDUCTORS ENTERING OR LEAVING AN OUTDOOR TRENCH IF THOSE CONDUCTORS HAVE PHYSICAL PROTECTION IN THE FORM OF RIGID METAL CONDUIT, INTERMEDIATE METAL CONDUIT, OR RIGID NONMETALLIC CONDUIT HAVING A LENGTH NOT EXCEEDING 10 FEET (3.05m)

CEC WIRE F		JULE	J 14. I	u(a)			
JUNCTION BOX DIMENSION,	MIN. CU. IN.	MAXIM	MUN ML	M NUMBER OF CONDUCTORS			
INCHES TRADE SIZE OR TYPE	CAP.	NO.14	NO.12	NO.10	NO.8	NO	
4 x1-1/4 ROUND OR OCTAGONAL	12.5	6	5	5	5		
4 x1-1/2 ROUND OR OCTAGONAL	15.5	7	6	6	5	;	
4 x2-1/8 ROUND OR OCTAGONAL	21.5	10	9	8	7		
4 x1-1/4 SQUARE	18.0	9	8	7	6	;	
4 x1-1/2 SQUARE	21.0	10	9	8	7		
4 x2-1/8 SQUARE	30.3	15	13	12	10	(	
4-11/16 x1-1/4 SQUARE	25.5	12	11	10	8		
4-11/16 x1-1/2 SQUARE	29.5	14	13	11	9	;	
4-11/16 x2-1/8 SQUARE	42.0	21	18	16	14	8	
3 x2 x1-1/2 DEVICE	7.5	3	3	3	2		
3 x2 x2 DEVICE	10.0	5	4	4	3	:	
3 x2 x2-1/4 DEVICE	10.5	5	4	4	3	:	
3 x2 x2-1/2 DEVICE	12.5	6	5	5	4	:	
3 x2 x2-3/4 DEVICE	14.0	7	6	5	4	:	
3 x2 x3-1/2 DEVICE	18.0	9	8	7	6	;	
4 x2-1/8 x1-1/2 DEVICE	10.3	5	4	4	3	:	
4 x2-1/8 x1-7/8 DEVICE	13.0	6	5	5	4	:	
4 x2-1/8 x2-1/8 DEVICE	14.5	7	6	5	4	:	
3-3/4 x2 x2-1/2 MASONRY							
BOX / GANG	14.0	7	6	5	4		
3-3/4 x2 x3-1/2 MASONRY			_	_	_		
BOX / GANG	21.0	10	9	8	7	۱ ۰	
FS - MINIMUM INTERNAL DEPTH							
1-3/4 SINGLE COVER / GANG	13.5	6	6	5	4	:	
FD - MINIMUM INTERNAL DEPTH				_	_		
2-3/8 SINGLE COVER / GANG	18.0	9	8	7	6	;	
FS - MINIMUM INTERNAL DEPTH	1.5.5			_			
1-3/4 MULTIPLE COVER / GANG	18.0	9	8	7	6	;	
FD — MINIMUM INTERNAL DEPTH	04.0	12	10	9	8		
2-3/8 MULTIPLE COVER / GANG	24.0	'4	10		"		

#### <u>GENERAL</u>

SCOPE
THE DRAWINGS AND THESE GENERAL NOTES DESCRIBE THE SCOPE OF WORK AND SYSTEMS. THE MATERIAL REQUIRED FOR THE WORK SHALL BE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED. UNLESS SPECIFICALLY NOTED OTHERWISE. THE WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING PRINCIPAL SYSTEMS AND EQUIPMENT.

GENERAL ELECTRICAL NOTES

- PERMITS AND CHARGES OBTAIN AND PAY FOR ALL NECESSARY CONSTRUCTION PERMITS, INSPECTION FEES, AND OTHER CHARGES BY AGENCIES HAVING JURISDICTION.
- **REGULATIONS AND CODES** PROVIDE AND INSTALL ALL MATERIALS IN CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE, CALIFORNIA ADMINISTRATIVE CODE TITLE 8, AND OTHER CODES AND REGULATIONS HAVING JURISDICTION. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE INSPECTING AUTHORITY AND THE MANUFACTURERS

CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING:

#### APPLICABLE CODES

2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R. 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.; 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.; 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.;

2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.; 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R.; 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24. C.C.R. 2022 TITLE 19 C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

## CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING:

NFPA 13-AUTOMATIC SPRINKLER SYSTEMS, 2022 EDITION NFPA 14-STANDPIPES SYSTEMS, 2019 EDITION NFPA 17A-WET CHEMICAL SYSTEMS, 2021 EDITION NFPA 24-PRIVATE FIRE MAINS, 2019 EDITION- PART OF NFPA 13 CHAPTER 5 NFPA 72 (CALIFORNIA AMENDED)- NATIONAL FIRE ALARM CODES, 2022 EDITION NFPA 101 LIFE SAFETY CODE, 2021 EDITION

NFPA 2001-CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, 2018 EDITION

NFPA 253-CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS, 2019 EDITION

## VERIFYING EXISTING CONDITIONS

BEFORE SUBMITTING BID, BECOME THOROUGHLY FAMILIAR WITH ACTUAL EXISTING CONDITIONS AT THE BUILDING SITE. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER. BY THE ACT OF SUBMITTING A BID PROPOSAL FOR THE WORK. THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH STUDY AND EXAMINATION AND TO ACCEPT ALL CONDITIONS PRESENT AT THE SITE. NO REQUEST FOR ADDITIONAL PAYMENT WILL BE CONSIDERED AS VALID, DUE TO FAILURE TO ALLOW FOR CONDITIONS WHICH MAY EXIST.

COORDINATE ALL WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTION, DEVICES, RACEWAYS, WIRING, LIGHT FIXTURES, CONTROLS, ETC. REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT. ELECTRICAL EQUIPMENT LOCATIONS INDICATED ARE SHOWN DIAGRAMMATICALLY, EXACT LOCATION SHALL BE

UNINTERRUPTED EXISTING ELECTRICAL POWER SHALL BE MAINTAINED TO OTHER TRADES FOR TEMPORARY POWER AREAS OF THE SITE DURING CONSTRUCTION. PROVIDE ANY TEMPORARY SERVICES AS MAY BE REQUIRED. IDENTIFY AT BID TIME, ALL WORK TO BE DONE ON PREMIUM TIME AND THE TOTAL OVERTIME MAN-HOURS REQUIRED FOR

AS BUILT PROVIDE RECORD DRAWINGS TO THE OWNER WITH ALL CHANGES NOTED THEREON AT THE COMPLETION OF THE

PROJECT. RECORD DRAWINGS SHALL BE SIGNED AND DATED BY CONTRACTOR PRIOR TO RELEASE OF FINAL RETENTION OF ALL MONIES. MARK PROJECT RECORD DOCUMENTS DAILY TO INDICATE ALL CHANGES MADE IN THE FIELD. A.) IN ADDITION TO GENERAL REQUIREMENTS OF PROJECT RECORD DRAWINGS, INDICATE ON DRAWINGS, CHANGES OF EQUIPMENT LOCATIONS AND RATINGS. TRIP SIZES. AND SETTINGS ON CIRCUIT BREAKERS,

ALTERATIONS IN RACEWAY RUNS AND SIZES, CHANGES IN WIRE SIZES, CIRCUIT DESIGNATIONS, INSTALLATION DETAILS, ONE-LINE DIAGRAMS, CONTROL DIAGRAMS AND SCHEDULES. USE GREEN TO INDICATE DELETIONS AND RED TO INDICATE ADDITIONS.

A.) USE THE SAME SYMBOLS AND FOLLOW THE SAME DRAFTING PROCEDURES USED ON THE CONTRACT

LOCATE UNDERGROUND CONDUIT STUBBED-OUT FOR FUTURE USE, UNDERGROUND FEEDER CONDUITS, AND FEEDER PULL BOX LOCATIONS USING BUILDING LINES BY INDICATING ON THE PROJECT RECORD DRAWINGS. AT THE COMPLETION OF UNDERGROUND CONDUIT INSTALLATION PROVIDE UNDERGROUND CONDUIT RECORD DOCUMENTS TO OWNER'S REPRESENTATIVE.

TWO COPIES, IN BINDER FORM, OF ALL TEST RESULTS AS REQUIRED BY THESE DOCUMENTS. TWO COPIES OF LOCAL AND/OR STATE CODE ENFORCING AUTHORITIES FINAL INSPECTION CERTIFICATES. FIRE ALARM SYSTEM RECORDS AND TESTING REPORTS AS OUTLINED IN NFPA 72, CHAPTER 10.

- TWO COPIES, IN BINDER FORM, OF ELECTRICAL EQUIPMENT CUT SHEETS, MANUFACTURER'S INSTALLATION INSTRUCTIONS, WARRANTY CERTIFICATES, AND PRODUCT LITERATURE FOR ALL PRODUCTS UTILIZED ON PROJECT.
- IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR. SHOP DRAWINGS
  SUBMIT SHOP DRAWINGS AND MATERIAL LIST FOR REVIEW PRIOR TO COMMENCING ANY WORK. ALL EQUIPMENT TO BEAR U.L. LABEL OR THAT OF ANOTHER ACCEPTABLE TESTING LABORATORY. SHOP DRAWINGS MUST BE STAMPED BY THE CONTRACTOR FOR CONFORMANCE PRIOR TO SUBMITTAL.

GUARANTEE CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE ALL LABOR AND MATERIALS ON ALL WORK AGAINST DEFECTS

SUBMIT SIX SETS OF SHOP DRAWINGS FOR REVIEW PRIOR TO PURCHASING ALL BREAKER MOUNTING HARDWARE, DISCONNECT SWITCHES, FUSES, CONTROLLERS, LIGHTING FIXTURES, LIGHT SWITCHES, RECEPTACLES, ETC.

10. CONTRACTOR BID CONTRACTOR'S BID SHALL BE BASED ON ALL WORK SHOWN ON THE PLANS AND AS SPECIFIED. IF CONTRACTOR PROPOSES TO SUBSTITUTE FOR EQUIPMENT SPECIFIED, HE SHALL SUBMIT HIS REQUEST FOR CONSIDERATION OF THE OWNER AND ENGINEER PRIOR TO BID IN WRITING. ALL SUBSTITUTIONS MUST BE REVIEWED BY THE ENGINEER IN WRITING. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS, AND THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS OWN EXPENSE FOR ANY CHARGES RESULTING FROM HIS PROPOSED SUBSTITUTIONS WHICH AFFECT OTHER PARTS OF HIS OWN WORK, THE OWNER, ENGINEER OF RECORD OR THE WORK OF OTHER CONTRACTORS.

#### ALL WORK AND MATERIAL SHALL CONFORM TO THE LATEST RULES OF THE GOVERNING ELECTRICAL CODE AND INSTALLATION SHALL BE OF THE LATEST INDUSTRY STANDARDS OF WORKMANSHIP.

ALL MATERIALS SHALL BE NEW AND LISTED BY UNDERWRITERS LABORATORY (U.L.).

CONDUITS

CONDUIT SHALL BE EMT, PVC, IMC, RIGID OR FLEXIBLE STEEL TYPE. CONDUIT SHALL BE MANUFACTURED IN

CONDUIT SHALL BE EMT, PVC, IMC, RIGID OR FLEXIBLE STEEL TYPE. CONDUIT AND HINDERGROUND ACCORDANCE WITH UL-1. A GROUND WIRE IS REQUIRED IN ALL FLEXIBLE CONDUIT AND UNDERGROUND CONDUIT. BUSHINGS SHALL BE INSTALLED ON ALL COMMUNICATION, TELEPHONE & SPEAKER CONDUITS. PROVIDE 3/16" NYLON PULL STRING IN ALL EMPTY CONDUITS. NO MC, BX OR AC90 SHALL BE PERMITTED.

PROVIDE 20AMP NEMA RATED SWITCHES AND RECEPTACLES OF SPECIFICATION GRADE. ALL SWITCHES SHALL BE RATED FOR 120 AND/OR 277 VOLT AND RECEPTACLES SHALL BE NEMA 5-20R. IN ALL OFFICES AND OFFICE AREAS DEVICES SHALL BE DECORA TYPE WITH COLOR SELECTION BY CONTRACTOR/OWNERS REPRESENTATIVE.

FEEDERS AND BRANCH CIRCUITS IDENTIFICATION IDENTIFY FEEDERS WITH THE CORRESPONDING CIRCUIT DESIGNATION AT THE OVER-CURRENT DEVICE, LOAD END,

AND IN PULL BOXES WITH E-Z CODE OR OTHER APPROVED WIRE MARKER.

IDENTIFY BRANCH CIRCUITS WITH I.D. MARKERS, THE CORRESPONDING CIRCUIT DESIGNATION AT THE OVER-CURRENT DEVICE, AT ALL SPLICES, IN JUNCTION BOXES, AND IN OUTLETS. USE PLASTIC COATED SELF-STICKING MARKERS SUCH AS THOMAS & BETTS E-Z CODE FOR IDENTIFICATION OF CONDUCTORS. IDENTIFY SIGNAL & COMMUNICATION CABLES AT TERMINAL AND OUTLET.

DELIVER ALL CONDUCTORS TO THE JOB SITE IN ORIGINAL UNBROKEN CARTON OR REEL, PROPERLY TAGGED WITH U.L. LABEL, SIZE, TYPE, MANUFACTURER, TRADE NAME AND THE DATE OF MANUFACTURE. (MUST BE MANUFACTURED WITHIN 6 MONTHS)

PROVIDE COPPER CONDUCTORS #12 AWG MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. PROVIDE STRANDED COPPER CONDUCTORS FOR ALL WIRING. USE CONDUCTORS WITH THHN/THWN 600 VOLTS INSULATION, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL FURNISH AND INSTALL ALL WIRE TERMINATORS, STRESS CONES, COMPRESSION PIN

ADAPTERS, LUGS, WIRE NUTS, ETC. AS REQUIRED TO TERMINATE ANY AND ALL CONDUCTORS.

PROVIDE LIGHTING FIXTURES WITH ELECTRONIC BALLASTS PER SCHEDULE, PROVIDE WITH LAMPS BY G.E., PHILIPS OR SYLVANIA AS STATED IN THE SCHEDULE.

PANELBOARDS (BID SQUARE D) DISTRIBUTION AND LIGHTING PÄNELBOARDS WITHIN PROJECT AREA SHALL BE OF THE COPPER BUS THREE PHASE. FOUR WIRE DISTRIBUTED PHASING TYPE. CIRCUITING SHALL BE ARRANGED TO PROVIDE, AS NEARLY AS POSSIBLE, AN EVENLY BALANCED LOAD ON ALL PHASES. PANELBOARDS SHALL BE BOLT-ON CIRCUIT BREAKER TYPE. AVAILABLE FAULT CURRENT IS STATED ON PANELBOARD SCHEDULE. PROVIDE PANEL IDENTIFICATION NAMEPLATE (ENGRAVED ON-ADHESIVE 1/2" MINIMUM LETTERS) AND TYPEWRITTEN LIST OF CIRCUITS IN THE DIRECTORY

#### CEC 110.34(C)

CONTRACTOR SHALL PROVIDE PERMANENT SIGNAGE AT ALL HIGH VOLTAGE ENCLOSURES, FENCING, ROOMS, VAULTS, ETC. PER CEC 110.34(C). SIGNAGE SHALL READ "DANGER-HIGH VOLTAGE-KEEP OUT"

L SWITCHBOARDS & PANELBOARDS SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRICAL ARC FLASH HAZARDS, PER CEC 110.16 THE MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.

NOTIFY THE OWNER IMMEDIATELY WHEREVER EXISTING EQUIPMENT IS ENCOUNTERED WHICH MUST BE RELOCATED

DUE TO THE NEW CONSTRUCTION, AND WHICH IS NOT INDICATED ON THE PLANS. ALL REMOVED MATERIALS AND EQUIPMENT WHICH ARE SALVAGEABLE SHALL REMAIN THE PROPERTY OF THE OWNER. DELIVER SUCH SALVAGED MATERIALS AND EQUIPMENT ON THE PREMISES AS DIRECTED BY OWNER, AND NEATLY PILE OR STORE THEM AND PROTECT FROM DAMAGE. REMOVE FROM PREMISES AND DISPOSE OF ALL MATERIALS CONSIDERED BY THE OWNER TO BE SCRAP.

2. ALL DEVICES, CIRCUITS CONDUCTORS, FEEDERS ETC., WHEN NOTED TO BE REMOVED, SHALL BE REMOVED TO THE LAST ACTIVE DEVICE. ALL OVER-CURRENT PROTECTION AND DISCONNECT DEVICES NO LONGER UTILIZED BUT REMAINING AS LAST ACTIVE DEVICE SHALL BE LABELED AS 'SPARE'. COORDINATE ALL OUTAGES WITH OWNERS

CAREFULLY PROTECT ALL WALLS, TRIM, FLOORS, EQUIPMENT UTILITY LINES AND MATERIALS. WHEN WORKING ON FINISHED SURFACES, LIMIT DAMAGE TO THE CONFINES AS MUCH AS POSSIBLE AND RESTORE TO THE ORIGINAL CONDITION ALL SURFACES WHICH ARE DAMAGED BECAUSE OF THE INSTALLATION OF THIS WORK.

EQUIPMENT, MATERIALS AND SUPPLIES REMOVED FOR PROTECTION SHALL BE REPLACED IN ORIGINAL LOCATIONS. ANY MATERIALS DAMAGED SHALL BE REPLACED WITH NEW MATERIALS OF LIKE KIND AND QUALITY. 2. DO ALL DRILLING, CUTTING, CHANNELING AND PATCHING REQUIRED TO INSTALL ELECTRICAL WORK AS INDICATED OR HEREIN SPECIFIED. ALL HOLES, CURBS, ETC., IN FLOORS, CEILINGS AND WALLS SHALL BE PATCHED,

UNLESS INDICATED OTHERWISE. PAINT ALL NEW ELECTRICAL RACEWAYS, CABINETS, ENCLOSURES AND FITTINGS PENETRATING INTO FIRE RATED ENVELOPES, SPACES, ETC.

3. ALL CONDUIT RUNS SHALL BE CONCEALED, UNLESS SHOWN OTHERWISE. PROVIDE A PULL WIRE IN ALL EMPTY

4. EXISTING CONDITION SHOWN IS FROM AVAILABLE RECORD DRAWINGS AND VISUAL FIELD SURVEY AND SHOWN

FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ACTUAL EXISTING CONDITION AT SITE. 5. ALL WORK SHOWN IS NEW UNLESS SPECIALLY INDICATED AS EXISTING (X). ALL ELECTRICAL EQUIPMENT MOUNTING AND ANCHORAGE MUST CONFORM WITH LOCAL AND STATE SEISMIC CODES.

VOICE\DATA SYSTEMS PROVIDE RACEWAYS, CAT 6 CABLING, PATCH PANELS, JACKS, TERMINATIONS, BOXES, SUPPORTS, AND ALL MATERIAL INCLUDING PULLING NEW CABLE FROM IDF TO OUTLET AT DESK OR WORKSTATION.

GROUNDING & BONDING FURNISH AND INSTALL COMPLETE BONDING AND GROUNDING SYSTEM AS REQUIRED BY CODES. CONTINUITY OF GROUNDING SHALL BE MAINTAINED MECHANICALLY AND ELECTRICALLY THROUGHOUT THE SYSTEM. A GREEN GROUNDING CODE SIZED CONDUCTOR SHALL BE CARRIED IN ALL CONDUITS.

T IS THE INTENT OF THESE PLANS AND SPECIFICATIONS THAT A COMPLETE AND WORKABLE ELECTRICAL INSTALLATION BE PROVIDED FOR ALL THE EQUIPMENT DESCRIBED OR SHOWN AS BEING IN THIS CONTRACT. TOWARD THIS END FURNISH ALL LABOR AND TOOLS NECESSARY AND FURNISH AND INSTALL ALL APPARATUS, MATERIALS AND EQUIPMENT IN A FASHION COMPLYING WITH ALL APPLICABLE CODES, INCLUDING ITEMS REQUIRED BUT NOT NORMALLY SHOWN, SUCH AS LAMPS, COUPLINGS, HANGERS, BRACKETS, CLAMPS, BOXES, CONNECTORS AND HARDWARE. REFER ALSO TO WRITTEN SPECIFICATIONS FOR GENERAL, MECHANICAL AND ELECTRICAL SECTIONS.

PROCURE ALL PERMITS FROM LEGALLY CONSTITUTED AUTHORITIES, ARRANGE FOR ALL INSPECTIONS AND PAY ALL COSTS FOR FEES AND TESTS IN CONNECTION THEREWITH. COMPLY WITH CODES: NOTHING IN THESE PLANS AUTHORIZES DEVIATION FROM APPLICABLE CODES.

2. DETERMINE EXACT ROUTING OF CONCEALED FEEDERS AND BRANCH HOMERUNS IN COOPERATION WITH OTHER TRADES TO SIMPLIFY INSTALLATION WHEREVER POSSIBLE BUT SUBJECT TO APPROVAL OF ARCHITECT FOR VISUAL AND STRUCTURAL REASONS.

PROVIDE A CODE APPROVED DISCONNECT SWITCH OR BREAKER WITHIN SIGHT OF EVERY MOTOR AND FEED MOTORS NOT EQUIPPED WITH "BUILT IN" PROTECTION THROUGH A MAGNETIC OR MANUAL STARTER WITH OVERLOAD HEATERS SIZED TO COMPLY WITH MOTOR MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE

4. FOR CONNECTIONS TO EXHAUST FANS, PUMPS, COMPRESSORS, SPACE HEATERS, WATER HEATERS, AQUASTATS, SOLENOID VALVES AND OTHER MECHANICAL EQUIPMENT AND FOR CONDUITS AND WIRE REQUIRED BUT NOT NECESSARILY SHOWN ON THESE DRAWINGS REFER TO MECHANICAL PLANS AND DETERMINE EXACT LOCATIONS UNDER DIRECTION OF HEATING AND VENTILATING CONTRACTOR.

5. DO NOT RUN ANY CONDUIT IN SLAB IF ITS OUTSIDE DIAMETER EXCEEDS 1/3 THE THICKNESS OF THE SLAB. LOCATE CONDUITS WITHIN THE MIDDLE OF THE SLAB. WHERE CONDUITS ARE GROUPED IN PARALLEL RUNS. SPACE THEM 3" OR MORE APART. WHERE CONDUITS CROSS EACH OTHER, THICKEN SLAB PROPORTIONATELY OVER A HORIZONTAL AREA EQUAL TO TEN TIMES THE DIAMETER OF THE LARGEST CONDUIT. REFER ALSO TO

6. SIZE OUTLET BOXES IN CONFORMITY WITH CODE FOR NUMBER AND GAUGE OF CONDUCTORS THEREIN, EXCEPT WHERE NOTED TO BE LARGER. MINIMUM BOX SIZE SHALL BE 4" SQUARE BY 1-1/2" DEEP. · EXAMINE PLANS TO DISCERN CEILINGS WITH A FIRE RATING OF ONE HOUR OR MORE, PROVIDE A ONE HOUR

FIRE-RATED ENCLOSURE OVER EACH LIGHT FIXTURE RECESSED THEREIN.

ALL ELECTRICAL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING AND REPAIRING. ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. EXPOSED CONDUIT SHALL BE IN STRAIGHT LINES PARALLEL WITH, OR AT RIGHT ANGLES TO, COLUMN LINES OR BEAMS AND SEPARATED BY AT LEAST THREE (3) INCHES FROM WATER LINES WHENEVER THEY RUN LONG SIDE OR ACROSS SUCH LINES. CONDUIT SHALL NOT BE RUN BELOW CABLE TRAYS OR LIGHT FIXTURES WITHOUT SPECIFIC APPROVAL OF THE OWNERS REPRESENTATIVE. HANGERS SHALL BE FASTENED TO STEEL, CONCRETE OR MASONRY, BUT NOT TO PIPING. HANGERS AND SUPPORT SYSTEMS ARE AN INTEGRAL PART OF THE VISUAL ENVIRONMENT. ALL HANGERS AND SUPPORTS EXPOSED TO PUBLIC VIEW MUST BE SHOWN IN DETAIL ON PLANS SUBMITTED TO LANDLORD FOR APPROVAL OF APPEARANCE. ALL HANGERS MUST BE UNIFORMLY SPACED AND NEATLY INSTALLED WITH NO EXCESS MATERIAL BEYOND WHAT IS REQUIRED FOR THE SUPPORT FUNCTION. CONTRACTOR SHALL SELECT ACCESSORIES AND HARDWARE WITH A SMOOTH, NEAT FINISHED APPEARANCE AND PAINT ALL EXPOSED CONDUIT HANGERS TO MATCH THE ADJACENT FINISHES.

9. ALL WALL SWITCHES AND RECEPTACLES SHALL BE MOUNTED BETWEEN 18" AND 48" TO TOP OF OUTLET BOX PER ADA REQUIREMENTS UNLESS NOTED OTHERWISE.

10. ELECTRICAL SWITCHES. CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES OR COOLING, HEATING AND VENTILATING EQUIPMENT, SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF OUTLET BOX NOR LESS THAN 15 INCHES MEASURED FROM THE BOTTOM OF THE OUTLET BOX TO THE LEVEL OF THE FINISH

11. ELECTRICAL RECEPTACLE OUTLETS. ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING NOR LESS THAN 15 INCHES MEASURED FROM THE BOTTOM OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM.

12. ALL DISTRIBUTION BOARDS, SWITCHBOARDS AND TRANSFORMERS THAT ARE FLOOR MOUNTED SHALL BE MOUNTED ON 4" THICK HOUSEKEEPING PAD. TRANSFORMER SHALL BE ON VIBRATION ISOLATION PADS AND CONNECTED WITH FLEXIBLE CONDUIT.

AND FLOORS. CONTRACTOR SHALL SEAL ALL ELECTRICAL SYSTEM PENETRATIONS THROUGH FIRE RATED WALLS, CEILINGS AND FLOORS WITH U.L. LISTED MATERIAL APPROVED BY THE AUTHORITY HAVING JURISDICTION. 14. SURFACE MOUNTED RACEWAY COMPLETENESS; CONTRACTOR SHALL PROVIDE ALL RACEWAY, FITTINGS, SUPPORTS, BOXES. DEVICES PLATES. ETC. NECESSARY FOR A COMPLETE AND WORKABLE SURFACE MOUNTED ELECTRICAL RACEWAY SYSTEM. PRIOR TO INSTALLATION CONTRACTOR SHALL PERFORM A PREINSTALLATION SURFACE MOUNTED RACEWAY JOB WALK WITH OWNER & ARCHITECT FOR CONTRACTOR TO FIELD VERIFY EXACT ROUTING OF ANY & ALL SURFACE MOUNTED RACEWAYS.

13. CONTRACTOR SHALL EXAMINE PLANS AND VERIFY IN FIELD LOCATIONS OF ALL FIRE RATED WALLS, CEILINGS

#### FULLY AUTOMATIC FIRE ALARM SYSTEM CONTRACTOR SHALL PROVIDE AND INSTALL A FULLY AUTOMATIC FIRE ALARM SYSTEM FOR THE PROJECT AREA TO INCLUDE:

SMOKE DETECTORS IN ALL REQUIRED AREAS HEAT DETECTORS IN ALL REQUIRED AREAS DUCT DETECTORS IN ALL REQUIRED SPACES

SPEAKERS/STROBES/ALARMS IN ALL REQUIRED AREAS

DSA IR 9-2 CARBON MONOXIDE DETECTOR EXCEPTION: CONTRACTOR SHALL REPLACE EXISTING FOSSIL—FUEL FORCED HVAC AIR UNIT WITH NEW ELECTRIC POWERED HVAC FORCED AIR UNIT AT EXISTING RELOCATABLE CLASSROOM #28. NEW RELOCATABLE CLASSROOMS #35 & #36 SHALL WITH PROVIDED WITH ELECTRIC POWERED HVAC FORCED AIR UNITS. PER EXCEPTION CEBC 2.2.1.1 & 2.2.1.2 CARBON MONOXIDE DETECTION IS NOT REQUIRED.

CONTRACTOR SHALL SUBMIT FOR THE OWNERS SIGNED APPROVAL, APPROVED FIRE DEPARTMENT FIRE ALARM DRAWINGS FOR THE PROJECT SPACE.

2. CONTRACTOR SHALL BE BASE BID SILENT KNIGHT CAMPUS STANDARD. NEW FIRE ALARM DEVICE TIE—IN AND PROGRAMMING SHALL BE CAMPUS STANDARD CERTIFIED AND APPROVED CONTRACTOR. CONTRACTOR SHALL PROVIDE LOMPOC UNIFIED SCHOOL DISTRICT REPRESENTATIVE A DISK WITH THE UPDATED PROGRAM

3. ALL DEVICES AND EQUIPMENT SHALL BE CALIFORNIA STATE FIRE MARSHALL APPROVED.

4. CONTRACTOR SHALL WARRANTY ALL DEVICES AND SYSTEMS FOR A PERIOD OF TWO YEARS.

5. CONTRACTOR SHALL PROVIDE 6 (SIX) SETS OF FIRE ALARM MANUALS FOR ALL SYSTEMS AND DEVICES IN ADDITION TO 6 (SIX) SETS OF A SYSTEM OPERATIONAL MANUAL TAILORED FOR THE PROJECT SPACE.

6. PER DSA IR A-28, UPON COMPLETION OF THE CHANGED (ADDED, DELETED, ETC.) APPLIANCES, DEVICES OR SYSTEM. THAT PORTION OF THE FIRE ALARM SYSTEM IN THE SCOPE OF WORK SHALL BE INSPECTED AND TEXTED AS REQUIRED BY NFPA 72. UPON SUCCESSFUL COMPLETION OF THE ACCEPTANCE OR RE—ACCEPTANCE INSPECTION AND TESTING. AN NFPA 72 RECORD OF COMPLETION FORM SHALL BE COMPLETED BY THE FIRE ALARM SYSTEM CONTRACTOR. A COPY OF THE COMPLETED AND SIGNED FORM SHALL BE GIVEN TO THE ARCHITECT OR ENGINEER OF RECORD, THE PROJECT INSPECTOR, THE OWNER (SCHOOL OR COMMUNITY COLLEGE DISTRICT) AND THE LOCAL FIRE AUTHORITY.

CONTRACTOR SHALL PROVIDE ALL CONNECTION TO POWER PANELS, CONDUIT AND WIRE AND CONNECTIONS REQUIRED TO PROVIDE AN OPERATIONAL FIRE ALARM EVACUATION SYSTEM.

FIRE WATCH NOTE:

THE CONTRACTOR SHALL PROVIDE FIRE WATCH DURING CONSTRUCTION WORK AND OFF-HOURS PER THE REQUIREMENTS OF CFC 901.7, CFC 3304.5 AND LOCAL FIRE AUTHORITY. FIRE WATCH SHALL REMAIN IN PLACE UNTIL DISTRICT SUPPLIES PROOF THAT AN APPROVED AUTOMATIC FIRE ALARM MONITORING AGENCY IS IN PLACE FOR THE EXISTING SITE AUTOMATIC FIRE ALARM PER 907.7.5

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#### **ELECTRICAL SYMBOLS**

**POWER** SINGLE RECEPTACLE, WALL MOUNTED @ +18"AFF, NEMA 5-20R U.O.N. DUPLEX RECEPTACLE, WALL MOUNTED @ +18"AFF, NEMA 5-20R U.O.N.

(GFI DENOTES GROUND FAULT RECEPTACLE) ISOLATED (ORANGE) GROUND DUPLEX RECEPTACLE, WALL MTD.@18"AFF, NEMA 5-20R U.O.N. I.G. 💢 DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, WALL MOUNTED @ +18"AFF DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, WALL MOUNTED @ +18"AFF QUAD RECEPTACLE WITH ONE DUPLEX RECEPTACLE CONTROLLED BY TITLE

24 REQUIRED OCCUPANCY SENSOR. DUPLEX RECEPTACLE, WALL MOUNTED @ +18" NEMA 5-20R U.O.N. TOP RECEPTACLE SWITCHED

CEILING MOUNTED DUPLEX RECEPTACLE, 5-20R

PULLBOX SIZE AND RATING PER CEC

SPECIAL OUTLET, TYPE AS REQUIRED BY EQUIPMENT. JUNCTION BOX (CEILING MTD.) SIZE PER TABLE AND CEC ARTICLE 314 JUNCTION BOX (WALL MTD.) SIZE PER TABLE AND CEC ARTICLE 314

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BRANCH CIRCUIT PANELBOARD - 240/120V, 1ø, 3W OR 3ø, 3W, 240VAC OR 120/208VAC, 3ø, 4W. OR 277/480 VAC 3ø, 4W.

3-WAY SWITCH, a & b INDICATES LIGHT FIXTURE TO BE SWITCHED

ELECTRICAL SYSTEM ANCHORAGE

ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR SEISMIC ANCHORED BY THE CONTRACTOR TO RESIST

SEISMIC FORCES ACTING IN ANY DIRECTION. PROVIDE COMPLETE SEISMIC ANCHORAGE AND BRACING FOR SUPPORT OF ELECTRICAL RACEWAYS, CONDUITS, CABLE TRAYS, ELECTRICAL EQUIPMENT ETC. IN

WHERE BRACING DETAILS ARE NOT SHOWN ON THE PLANS, THE FIELD INSTALLATIONS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEERS, AND THE ARCHITECT. A COPY OF THE LATEST SMACNA GUIDELINES SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.

ACCORDANCE WITH UNIFORM BUILDING CODE WITH CALIFORNIA AMENDMENTS.

# SWITCHES

SINGLE-POLE SWITCH MOUNTED @ +42" AFF DOUBLE-POLE SWITCH MOUNTED @ +42" AFF

(EACH A 3-WAY) MOUNTED @ 42" AFF

3-WAY SWITCH @ +42" AFF 4-WAY SWITCH @ +42" AFF

CIRCUIT SWITCH LEGS 

MOTOR RATED SWITCH

#### CIRCUIT BREAKERS & FUSES

DISCONNECT SWITCH, 60AMP SWITCH, 35 AMP FUSE, 3 POLE W/ OVERCURRENT PROTECTION U.O.N.

COMBINATION STARTER/VFD DISCONNECT SWITCH SIZED PER PLAN 100A UTILITY METER (OR AS NOTED)

FUSED DISCONNECT SWITCH 100AMP SWITCH RATING WITH 60 AMP FUSES, 3 POLE 100AS 60AF

MOLDED CASE CIRCUIT BREAKER 200 AMP FRAME, 150 AMP TRIP RATING, 3 POLE

STRESS CONE OR MODULAR ELBOW HIGH

SEL751A SCHWEITZER RELAY MODEL #751A

VOLTAGE CABLE CONNECTION MEDIUM VOLTAGE DRAWOUT VACUUM CIRCUIT BREAKER

ANNOTATIONS & CALLOUTS

1) OR 1 SEE KEY NOTE #1 AS INDICATED ON DRAWING

1 INDICATES DETAIL NUMBER E4.0 SHEET NUMBER TO FIND DETAIL

REVISION CLOUD WITH DELTA

INDICATES LIGHTING FIXTURE TAG NUMBER (FOUND ON LIGHTING FIXTURE SCHEDULE) - - NUMBER OF LIGHTING FIXTURES IN AREA INDICATES MECHANICAL/PLUMBING EQUIPMENT OR DEVICE (FOUND ON ELECTRICAL

SCHEDULE FOR MECHANICAL EQUIPMENT OR ON MECHANICAL PLANS)

√ – /── MECHANICAL/PLUMBING TAG NUMBER. SEE ELECTRICAL SCHEDULE FOR

MECHANICAL EQUIPMENT. \_\_ ${igs}$  Break line indicates work extended beyond limits shown on drawing.

## CONDUIT & WIRING SYMBOLS

CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS, 1"C.O. TELEPHONE CONDUIT. ARROW DENOTES HOME RUN TO TELEPHONE BACKBOARD. CONDUIT RUN CONCEALED BELOW FLOOR OR UNDERGROUND FLEXIBLE CONDUIT (WITH GROUND CONDUCTOR, PROVIDE LIQUID TIGHT CONDUIT IN ALL EXPOSED AREAS) CONDUIT STUB UP, CAP AND IDENTIFY

CONDUIT TURNS UP CONDUIT TURNS DOWN CONDUIT FITTING SEALED WITH APPROVED COMPOUND FOR ENVIRONMENT SEPARATION.

WHERE NO NUMBER IS INDICATED, THE CONDUCTORS ARE 2#12AWG & 1#12 EQUIPMENT GROUND CONDUCTOR. CONDUIT SIZE IS AS REQUIRED BY ELECTRICAL CODE. (3/4" CONDUIT MINIMUM) (1" CONDUIT MINIMUM

HASH MARKS INDICATE QUANTITY OF #12 CONDUCTORS. NO HASH MARKS

INDICATE (2)#12AWG. (PROVIDE GROUND CONDUCTOR IN ALL CONDUITS.)

INDICATES A HOMERUN TO PNL 2LA, CKTS 1-3-5 WITH SHARED NEUTRAL & CKT 7 WITH DEDICATED NEUTRAL. **L**2LA 1−3−5.7 3/4"C-3#12 & 1#12 GND HOMERUNS WITH A SHARED 3/4"C-4#12 & 1#12 GND > NEUTRAL REQUIRE A MULTIPOLE CIRCUIT BREAKER 3/4"C-5#12 & 1#12 GND 3/4"C-6#12 & 1#12 GND

3/4"C-3#10 & 1#10 GND

3/4"C-6#10 & 1#10 GND

" CONDUIT MINIMUM UNDERGROUND | 3/4"C-2#10 & 1#10 GND

HOMERUNS WITH A SHARED > NEUTRAL REQUIRE A MULTIPOLE CIRCUIT BREAKER

-/-/--/-/--/-/- XX REVISION DESCRIPTION DATE

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DRAWN CHECKED DATE 02/22/2024 JOB. NO. 21070

SHEET GENERAL NOTES, ABBREVIATIONS, TITLE & SYMBOLS, ETC.

SHEET

E100



IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITE

REVIEWED FOR

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APP: 03-123803 INC:

DATE: 05/29/2024

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All ideas, design arrangements and plans indicated or represented by this drawing

STAMP & SIGNATURE



CONSULTANT INFORMATION

#### MOUNTING HEIGHT OVER OBSTRUCTION

SCALE: \_\_\_

#### CALIFORNIA BUILDING CODE NOTES

CBC 11B-308.1.2 - ALL WORK FOR THIS PERMIT SHALL COMPLY WITH CBC ACCESSIBILITY STANDARDS.

CBC 11B-308.2 — FORWARD REACH OBSTRUCTED — ELECTRICAL RECEPTACLE OUTLETS SHALL BE LOCATED NO MORE THAN 44 INCHES MEASURED FROM THE TOP OF THE RECEPTACLE OUTLET BOX WHEN OBSTRUCTION IS OVER 20" AND DOES NOT EXCEED 25". WHEN THE DEPTH IS LESS THAN 20" HEIGHT CAN INCREASED TO 48". (DESK COUNTERS)

CBC 11B-308.3 — SIDE REACH OBSTRUCTED — ELECTRICAL RECEPTACLE OUTLETS SHALL BE LOCATED NO MORE THAN 46 INCHES MEASURED FROM THE TOP OF THE RECEPTACLE OUTLET BOX WHEN THE OBSTRUCTION IS OVER 10" AND DOES NOT EXCEED 24". WHEN THE DEPTH IS LESS THAN 10" HEIGHT CAN BE INCREASED TO 48"

#### GENERAL ELECTRICAL SPECIFICATIONS SHEET

1.0 <u>GENERAL</u>

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A COMPLETE AND OPERABLE ELECTRICAL SYSTEM AS SHOWN ON THE DRAWING(S). THE COMPLETE INSTALLATION SHALL MEET REQUIREMENTS OF THE LATEST NATIONAL ELECTRICAL CODE AND ALL LOCALLY ADOPTED AMENDMENTS, INCLUDING BUT NOT NECESSARILY LIMITED TO THE

CALIFORNIA ELECTRICAL CODE - LATEST EDITION

CALIFORNIA ADMINISTRATIVE CODE, TITLE 24
CALIFORNIA ADMINISTRATIVE CODE, TITLE 19, FIRE CODE
UNDERWRITERS LABORATORY
AMERICAN NATIONAL STANDARD INSTITUTE

6. ALL OTHER APPLICABLE STATE, LOCAL LAWS AND REGULATIONS 7.
WHERE THESE SPECIFICATIONS CALL FOR A HIGHER STANDARD THAN THE ABOVE—MENTIONED RULES, THE SPECIFICATIONS SHALL GOVERN.
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL ALL

WORK IN ACCORDANCE WITH STAMPED PLANS APPROVED BY THE

ELECTRICAL DIVISION OF THE DEPARTMENT OF BUILDING AND SAFETY.

NEMA (NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION)

PRIOR TO CONTRACTOR SUBMITTING HIS BID, HE SHALL VISIT THE JOB SITE TO BECOME COMPLETELY FAMILIAR WITH ALL ASPECTS OF THE NEW CONSTRUCTION AND ALL REQUIREMENTS THAT MAY BE IMPOSED BY THE OWNER. FAILURE TO DO THIS WILL RELIEVE OWNER FROM ANY FINANCIAL OBLIGATION FOR EXTRA WORK OR COST INCURRED BY THE CONTRACTOR. CONTRACTOR TO TAKE NOTE OF ALLOWABLE WORK HOURS, ON—SITE STORAGE FACILITIES, AND AVAILABLE PARKING AND INCLUDE THIS

ALL PERMITS SHALL BE OBTAINED AND PAID FOR BY THE CONTRACTOR.

ACCURATE RECORD DRAWINGS SHALL BE MAINTAINED AND PRESENTED TO

THE OWNER AND THE ELECTRICAL ENGINEER AT THE TIME OF OCCUPANCY

THE CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE ALL HIS WORK FOR ONE YEAR AFTER ACCEPTANCE AND FURNISH ALL MANUFACTURER WARRANTIES FOR THE EQUIPMENT HE FURNISHES.

THE CONTRACTOR SHALL INSTALL ALL ELECTRIC EQUIPMENT IN A NEAT AND WORKMANLIKE MANNER. ELECTRICAL EQUIPMENT SHALL BE FIRMLY

SECURED TO THE SURFACE ON WHICH IT IS MOUNTED.

**FOUIPMENT** 

BUILT) DRAWINGS.

INSTALLATION.

INSTALLED AT THE MOTOR EQUIPMENT

THE ELECTRICAL CONTRACTOR SHALL SUBMIT SIX (6) COPIES OF THE SHOP DRAWINGS TO THE ARCHITECT FOR APPROVAL WITHIN THIRTY (30) DAYS AFTER THE AWARD OF THE GENERAL CONTRACT. IF SUCH A SCHEDULE CANNOT BE MET, THE ELECTRICAL CONTRACTOR MAY REQUEST IN WRITING FOR AN EXTENSION OF TIME TO THE ARCHITECT. IF THE

ELECTRICAL CONTRACTOR DOES NOT SUBMIT SHOP DRAWINGS IN THE

PRESCRIBED TIME, THE ARCHITECT HAS THE RIGHT TO SELECT THE

SHOP DRAWINGS SHALL BE SUBMITTED ON ALL MAJOR PIECES OF ELECTRICAL EQUIPMENT, INCLUDING SERVICE—ENTRANCE EQUIPMENT. LIGHTING FIXTURES, PANELBOARDS, SWITCHES, WIRING DEVICES AND PLATES, AND EQUIPMENT FOR MISCELLANEOUS SYSTEMS. EACH ITEM OF EQUIPMENT PROPOSED SHALL BE A STANDARD CATALOG PRODUCT OF AN ESTABLISHED MANUFACTURER. THE SHOP DRAWING SHALL GIVE COMPLETE INFORMATION ON THE PROPOSED EQUIPMENT. EACH ITEM OF THE SHOP DRAWINGS SHALL BE PROPERLY LABELED, INDICATING THE INTENDED SERVICE OF THE MATERIAL, THE JOB NAME AND ELECTRICAL CONTRACTOR'S NAME.

WHERE EQUIPMENT IS IDENTIFIED BY MANUFACTURER AND CATALOG NUMBER, IT SHALL BE CONSTRUED AS THE BASE OF REQUIREMENTS FOR QUALITY AND PERFORMANCE. WHERE MANUFACTURERS FOR EQUIPMENT ARE IDENTIFIED BY NAME, THE ELECTRICAL SUBCONTRACTOR MAY SUBMIT FOR APPROVAL, SIMILAR EQUIPMENT OF OTHER MANUFACTURERS AS SUBSTITUTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE SUFFICIENT SUPPORTING DATA TO PERMIT EVALUATION OF THE PROPOSED SUBSTITUTE WITH RESPECT TO QUALITY, PERFORMANCE, SERVICEABILITY, AND WARRANTY. THE ENGINEER'S DECISION AS TO WHETHER THE SUBMITTED EQUIPMENT IS ACCEPTABLE SHALL BE FINAL AND BINDING.

SHALL BE MADE AT THE CONTRACTOR'S EXPENSE, AND SHALL BE AS APPROVED BY THE ENGINEER. DETAILED DRAWINGS INDICATING THE REQUIRED CHANGES SHALL BE SUBMITTED FOR APPROVAL AT THE TIME THE SUBSTITUTION IS REQUESTED.

ALL CHANGES NECESSARY TO ACCOMMODATE THE SUBSTITUTED EQUIPMENT

IF SUBSTITUTIONS ARE MADE IN LIEU OF THE LIGHTING FIXTURES SPECIFIED, POINT BY POINT PHOTOMETRIC CALCULATIONS, PHOTOMETRIC PERFORMANCE, FORM, DIMENSION, DESIGN AND PROFILE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

AT COMPLETION OF WORK, THIS CONTRACTOR SHALL CLEAN UP AND REMOVE ALL DEBRIS AND MATERIALS NOT INSTALLED IN WORK, DISPOSE IN AN ENVIRONMENTALLY APPROVED MANNER, LEAVING PREMISES CLEAN.

ELECTRICAL CONTRACTOR SHALL PROVIDE A TEMPORARY CONSTRUCTION SERVICE IF REQUIRED FOR THIS PROJECT TO MAINTAIN ESSENTIAL SERVICES DURING CIRCUIT CUT-OVER PERIODS.

SECURE PERMISSION FROM THE OWNER BEFORE PERFORMING ANY CUTTING OR PATCHING WORK WHICH IS LIKELY TO AFFECT THE STRENGTH OF A STRUCTURAL MEMBER. ALL PENETRATIONS THROUGH CONCRETE CONSTRUCTION SHALL BE DONE BY THE MEANS DENOTED BY ARCHITECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL EQUIPMENT AND WIRING AS REQUIRED AND AS INDICATED ON THE ELECTRICAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS. SEE MECHANICAL DRAWINGS FOR EXACT EQUIPMENT LAYOUTS AND REQUIREMENTS INCLUDING SIZES, VOLTAGES, CONTROL WIRING, CONTROL DEVICES TO BE FURNISHED AND/OR INSTALLED, LOCATIONS AND OTHER REQUIREMENTS. CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS AND ROUTING TO BE DETERMINED IN THE FIELD TO SUIT CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE AND OBTAIN APPROVAL FOR ALL NECESSARY ADJUSTMENTS IN CIRCUITING AS REQUIRED TO ACCOMMODATE THE RELOCATIONS OF EQUIPMENT AND/OF DEVICES WHICH ARE AFFECTED BY ANY APPROVED AUTHORIZED CHANGE. ALL CHANGES SHALL BE CLEARLY INDICATED ON THE RECORD (AS-

ALL MATERIAL AND EQUIPMENT SHALL BE NEW, UL LISTED, APPROVED BY THE LOCAL JURISDICTION AND, UNLESS OTHERWISE NOTED, SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. EQUIPMENT EXPOSED TO WEATHER SHALL BE UL LISTED WEATHERPROOF.

ALL MOTORS OR EQUIPMENT LOCATED OUT OF SIGHT OR MORE THAN 50 FEET FROM THE PANEL SHALL HAVE HORSEPOWER RATED DISCONNECTS

ALL REQUIRED POWER OUTAGES THAT ARE NECESSARY IN ORDER TO COMPLETE ANY PORTION OF THE WORK SHALL BE ENTIRELY AT THE OWNER'S CONVENIENCE AND AT A TIME DESIGNATED BY HIM AND BE FULLY COORDINATED WITH THE OWNER'S REPRESENTATIVE. A MINIMUM OF 48 HOURS OF ADVANCED NOTICE SHALL BE GIVEN TO THE OWNER OF TIME DESIRED. OWNER SHALL APPROVE TIME OF OUTAGE BEFORE THIS CONTRACTOR DISCONNECTS ANY CIRCUITS. CONTRACTOR SHALL FURNISH, INSTALL, AND REMOVE ANY TEMPORARY JUMPERS ETC. TO MAINTAIN ALL LOADS THAT THE OWNER DESIGNATES AS NOT BEING ABLE TO SHUT DOWN DURING CONSTRUCTION.

SHOULD ANY CONDITIONS EXIST THAT DIFFER FROM WHAT IS INDICATED ON THESE DRAWINGS THAT CAUSE DEVIATIONS IN THE WORK SHOWN, THE CONTRACTOR SHALL IN A TIMELY MANNER SO NOT TO IMPAIR THE CONSTRUCTION SCHEDULE OR SEQUENCE OF EVENTS, SUBMIT A WRITTEN REPORT OF THE CONDITIONS FOUND TO THE OWNER'S REPRESENTATIVE FOR APPROPRIATE DIRECTION ON HOW TO COMPLETE THE WORK IN QUESTION.

PRIOR TO START OF INSTALLATION THE CONTRACTOR SHALL COORDINATE THE FINAL LOCATION OF EACH LIGHT FIXTURE, SWITCH, DISCONNECT, RACEWAY, PANELBOARD, OUTLET, OCCUPANCY SENSOR, WIREMOLD, FIRE ALARM DEVICE, DATA PORT, SPEAKER, MISCELLANEOUS PROJECT DEVICE, ETC. WITH THE OWNER'S REPRESENTATIVE. THE OWNER RESERVES THE RIGHT TO RELOCATE ANY OUTLET OR DEVICE UP TO 8 FEET FROM THE LOCATION INDICATED ON THE PLANS AT NO ADDITIONAL COST.

ALL FEEDER LENGTHS INDICATED ON SINGLE LINE DIAGRAMS OR FEEDER SCHEDULE ARE FOR VOLTAGE DROP PURPOSES ONLY AND ARE NOT TO BE USED FOR MATERIAL TAKE—OFF OR BIDDING PURPOSES.

COORDINATE ALL EXIT SIGN LOCATIONS WITH THE LOCAL FIRE MARSHAL PRIOR TO BEGINNING WORK.

THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS TO VERIFY DIMENSIONS, CLEARANCES, OBSTRUCTIONS, TYPE OF CONSTRUCTION, DOOR SWINGS, SINK AND SPLASH BOARD DIMENSIONS

AND BATH MIRRORS, TO CLEAR SWITCHES AND RECEPTACLES PRIOR TO

WHERE ACCESS PANELS FOR ACCOMMODATING ELECTRICAL WORK ARE LOCATED AND/OR SIZED ON THESE DRAWINGS, OR DRAWINGS PREPARED UNDER SEPARATE DIVISIONS OF THE WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RE—SIZE AND/OR PROVIDE SUITABLE ACCESS PANELS FOR THE CONDITIONS. WHERE INSUFFICIENT SPACE EXISTS TO ACCOMMODATE LARGER ACCESS PANELS, A SUITABLE ALTERNATIVE IS TO MOUNT THE ELECTRICAL COMPONENTS TO THE BACKSIDE OF THE HINGED DOOR WITH AN APPROPRIATELY SIZED AND CODE APPROVED FLEXIBLE FITTING, THUS ALLOWING ACCESS TO ELECTRICAL COMPONENTS FROM THE OCCUPIED SPACE IN LIEU OF THE

WHERE ELECTRICAL RACEWAYS ARE INSTALLED THROUGH 2 TO 4—HOUR RATED FLOORS OR WALLS, THE CONTRACTOR SHALL PROVIDE APPROPRIATE FITTINGS APPROVED BY ALL LOCAL AUTHORITIES FOR THE INTENDED PURPOSE AND APPLICATION. FITTINGS SHALL SEAL TIGHT THE INTERIOR AND EXTERIOR OF EACH RACEWAY PENETRATION TO PROHIBIT FIRE PASSING FROM ONE AREA TO ANOTHER. WHERE EMPTY CONDUITS ARE INSTALLED FOR FUTURE USE, THE CONTRACTOR SHALL PROPERLY SEAL THE RACEWAY TO COMPLY WITH THE PROVISIONS INDICATED ABOVE. THE ELECTRICAL CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR REVIEW THE PROPOSED FITTINGS TO BE USED AND DETAILS REGARDING THE INSTALLATION METHODS PRIOR TO THEIR INSTALLATION. THE INSTALLATION SHALL NOT BE COMPLETED UNTIL FINAL APPROVAL HAS BEEN RECEIVED FROM THE ARCHITECT TO

AS A CONDITION FOR FURNISHING MATERIAL TO THIS PROJECT, THE MANUFACTURERS AND SUPPLIERS AGREE TO DEFEND, HOLD HARMLESS, AND TO INDEMNIFY OWNER, ARCHITECT, ELECTRICAL ENGINEER, AND ALL RELATED SUBSIDIARIES AGAINST ANY LIABILITY ARISING OUT OF PRODUCT FAILURE OR MANUFACTURING DEFECT OF THE EQUIPMENT THEY FURNISH.

2.0 DEMOLITION

THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OF THE NECESSARY DEMOLITION WORK REQUIRED TO ACCOMMODATE THE REMODELING WITHIN THE VARIOUS AREAS. RESTORE CONTINUITY OF ALL EXISTING CIRCUITING THAT IS TO REMAIN THAT BECOMES DISTURBED AS A RESULT OF THE NEW WORK. FURNISH ALL LABOR AND MATERIAL TO REROUTE CIRCUITRY TO REMAIN, CONCEAL FROM VIEW IN PUBLIC AREAS AND MAINTAIN ALL CODE REQUIRED CLEARANCES AND ACCESSIBILITY. FIELD VERIFY ALL CONDITIONS AND REQUIREMENTS PRIOR TO STARTING WORK. WHERE EXISTING CONDUITS BECOME EXPOSED AS A RESULT OF THE NEW WORK, CONTRACTOR SHALL REWORK AS REQUIRED TO SUIT CONDITIONS TO CONCEAL SUCH CONDUIT FROM VIEW IN ALL PUBLIC AND BACK OF HOUSE AREAS.

WITH EASY-MARKERS TO REFLECT THE NEW CIRCUIT DESIGNATIONS WHERE REWORK OR EXISTING IS REQUIRED TO COMPLETE NEW WORK.

ALL EXISTING ELECTRICAL EQUIPMENT AND MATERIAL THAT IS REMOVED AS A PART OF THIS WORK SHALL BE DELIVERED TO OWNER AT A LOCATION ON THE PROPERTY THAT HE DESIGNATES.

ALL WIRING WITHIN EXISTING OUTLETS ARE TO BE RE-IDENTIFIED

WHERE EXISTING OUTLETS, AFFECTED BY THE NEW WORK ARE TO BE ABANDONED, REMOVE EXISTING OUTLET AND WIRING, CUT OFF AND PLUG EXISTING CONDUIT. WHERE THERE IS A POSSIBILITY TO REUSE A PORTION OF THE EXISTING CONDUIT SYSTEM, EXTEND EXISTING CONDUIT TO NEAREST ACCESSIBLE LOCATION AND PROVIDE JUNCTION BOX WITH SUITABLE COVER. COORDINATE EXTENT OF THIS WORK WITH OWNER'S REPRESENTATIVE.

3.0 <u>WIRE AND CABLES</u>

ALL WIRING SHALL BE COPPER, MINIMUM SIZE #12-AWG.
USE THHN IN DRY LOCATIONS ONLY AND THWN IN WET

ALL FIXED ELECTRICAL APPLIANCES SHALL BE WIRED IN APPROVED WIRING ENCLOSURES.

ALL FINAL FLEX CONDUIT CONNECTIONS TO ANY EQUIPMENT SHALL INCLUDE SUFFICIENT SLACK IN FLEX TO MOVE WITH THE EQUIPMENT. ALL CONDUCTORS SHALL BE IDENTIFIED FOR USE AND SYSTEM PER CEC ARTICLE 200. COLOR CODE SECONDARY SERVICE, FEEDER, AND BRANCH CIRCUIT CONDUCTORS WITH FACTORY APPLIED COLOR AS FOLLOWS:

208Y/120 VOLTS PHASE 480Y/277 VOLTS

BLACK A BROWN
RED B ORANGE
BLUE C YELLOW
WHITE NEUTRAL GRAY
GREEN GROUND GREEN W/ YELLOW STRIPE

CONTRACTOR SHALL FURNISH AND INSTALL ALL WIRE TERMINATORS,
STRESS CONES, COMPRESSION PIN ADAPTERS, LUGS, WIRE NUTS, ETC.

CONDUIT

CONDUIT INSTALLED WITHIN CONCEALED AREAS MAY BE EMT OR RIGID
STEEL IN EXPOSED AREAS SUBJECT TO CONDUIT DAMAGE, ONLY
GALVANIZED RIGID STEEL MAY BE USED. ALL CONDUIT IN FINISHED
AREAS TO BE CONCEALED

AS REQUIRED TO TERMINATE ANY AND ALL CONDUCTORS.

A MAXIMUM OF 4' OF CONDUIT AND WIRE SHALL BE SOLAR EXPOSED

ALL CONDUITS INSTALLED UNDERGROUND SHALL BE MINIMUM 1".

UNDERGROUND CONDUITS SHALL BE PVC, SCHEDULE 40 ELECTRICAL

CONDUIT FOR 0-600 VOLT SYSTEMS, SCHEDULE 80 ELECTRICAL

CONDUIT FOR 600 TO 25KV SYSTEMS, AS MANUFACTURED BY

CARLON OR EQUAL UNLESS NOTED OTHERWISE.

CONDUITS SHOWN ON THE DRAWINGS HAVE BEEN SIZED BASED ON

METALLIC RACEWAYS LINEESS NOTED. FLECTRICAL CONTRACTOR MAY OP

CONDUITS SHOWN ON THE DRAWINGS HAVE BEEN SIZED BASED ON METALLIC RACEWAYS UNLESS NOTED. ELECTRICAL CONTRACTOR MAY OPT TO USE SCHEDULE 40 PVC WHERE PERMITTED BY CODE AND THE OWNER. IF PVC IS USED, ELECTRICAL CONTRACTOR SHALL SIZE ALL SUCH CONDUITS AS REQUIRED TO INCLUDE GROUND CONDUCTOR, AND SHALL SIZE GROUND WIRE PER CODE. PVC RACEWAYS SHALL NOT BE INSTALLED ABOVE GROUND. ALL FLEX CONDUITS SHALL INCLUDE A GROUNDING CONDUCTOR SIZED PER THE NEC.

ALL PVC UNDERGROUND CONDUITS SHALL UTILIZE COATED OR WRAPPED RIGID STEEL ELBOWS AND RISERS WHEN RISING ABOVE GRADE, EXCEPT IN AREAS NOT SUBJECT TO MECHANICAL DAMAGE AND WITH PRIOR APPROVAL FROM THE ELECTRICAL ENGINEER.

CONDUIT SLEEVES. VERIFY WITH GENERAL CONTRACTOR.

THE ELECTRICAL CONTRACTOR SHALL PROVIDE EXPANSION/DEFLECTION FITTINGS FOR CONDUITS CROSSING EXPANSION JOINTS. FITTINGS SHALL BE SUITABLE FOR CONDITIONS TO BE ENCOUNTERED. VERIFY WITH OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK. SUBMIT SHOP DRAWINGS FOR REVIEW.

MAINTAIN A MINIMUM OF 6" CLEARANCE BETWEEN ALL

UNDERGROUND CONDUITS SHALL HAVE A MINIMUM 24" OF COVER.

5.0 OUTLET. PULL AND JUNCTION BOXES

JUNCTION BOXES AND OUTLET BOXES SHALL BE SIZED PER CODE, BUT IN NO CASE LESS THEN THE FOLLOWING: OUTLETS WITH 9 OR LESS #12 CONDUCTORS SHALL BE 4"/S X 2-1/2"/D AND OUTLETS WITH 10 THROUGH 18 CONDUCTORS SHALL BE 4-11/16"/S X 2-1/8"/D.

ALL JUNCTION BOXES SHALL CLEARLY INDICATE WITH PERMANENT BLACK

MARKER, IN 1/2-INCH LETTERING THE CIRCUIT NUMBERS AND THE

SOURCE OF POWER OF ALL CONDUCTORS CONTAINED WITHIN THAT JUNCTION BOX.

OUTLETS FOR THE ATTACHMENT OF THE FIXTURES TO BE PROVIDED WITH 3/8" MALLEABLE IRON FIXTURE STUDS AND BOX HANGERS WHERE

TELEPHONE OUTLETS SHALL BE DOUBLE GANG BOX WITH SINGLE GANG 1—HOLE TELEPHONE COVER PLATE, UNLESS OTHERWISE NOTED ON DRAWINGS.

CABLE TELEVISION OUTLETS SHALL BE DOUBLE GANG BOX WITH SINGLE GANG 1—HOLE CATV COVER PLATE, UNLESS OTHERWISE NOTED ON DRAWINGS.

INTERIOR BOXES SHALL BE GALVANIZED STEEL, MANUFACTURERS: B & C METAL STAMPING, BRYANT, GENERAL ELECTRIC, LEVITON COMPANY, NORRIS STEEL CITY, CROUSE—HINDS, APPLETON, RACO, CARLON.

EXTERIOR BOXES SHALL BE "FS" TYPE BOXES WITH THREADED HUBS AS REQUIRED AND FULLY GASKETED UNLESS OTHERWISE NOTED.

ALL IN—GRADE PULLBOXES SHALL BE H/20 TRAFFIC RATED WITH SOLID CONCRETE BOTTOM AND MOUNTED ON 6" DEEP AGGREGATE BASE

6.0 PANELBOARDS AND SWITCHBOARDS

UNLESS OTHERWISE NOTED.

ALL SWITCHBOARDS AND PANELBOARDS SHALL BE CONSTRUCTED PER THE NATIONAL ELECTRICAL CODE AND ALL LOCALLY ADOPTED AMENDMENTS. WHERE REGULATIONS APPLY, CONSTRUCTION SHALL MEET REQUIREMENTS OF SERVING UTILITY.

ALL SWITCHBOARDS AND MOTOR CONTROL CENTERS SHALL HAVE WITHSTAND RATINGS GREATER THAN THE AVAILABLE FAULT CURRENT WITH 42,000 AMP BEING THE MINIMUM. CONFIRM CONDITIONS WITH SERVING UTILITY. SUBMIT CERTIFICATION OF COMPLIANCE WITH SHOP DRAWINGS.

ALL OVERCURRENT DEVICES IN EQUIPMENT SHALL BE UL LISTED TO INTERRUPT THE AVAILABLE FAULT CURRENT.

ALL PANELBOARD SWITCHBOARDS SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL LOCALLY ADOPTED AMENDMENTS.

WALL-MOUNTED PANELS SHALL BE PROVIDED WITH TRIM AND DOOR CONSTRUCTED OF CODE GAUGE SHEET STEEL AND SHALL HAVE FACTORY FINISH. DOOR SHALL BE FITTED WITH HINGES, SPRING CATCH LATCH AND CYLINDER LOCK. PROVIDE 2 KEYS WITH EACH PANEL. PROVIDE DIRECTORY CARD HOLDER AND TYPEWRITTEN PANEL SCHEDULE. PANELBOARD SHALL BE SO CONSTRUCTED AS TO PROVIDE FOR ADJUSTABLE ALIGNMENT OF TRIM AND INTERIOR PANEL.

PROVIDE ENGRAVED NAMEPLATES IDENTIFYING SWITCHBOARDS AND PANELBOARDS. ALL EQUIPMENT NAMEPLATE IDENTIFICATIONS SHOWN ON THE DRAWINGS ARE FOR REFERENCE ONLY. PRIOR TO FABRICATING THE FINISHED NAMEPLATES, CONSULT WITH THE OWNER'S BUILDING ENGINEER FOR THE ACTUAL NOMENCLATURE TO BE USED.

PROVIDE PANELBOARDS WITH SEPARATE GROUND BAR.

UNLESS OTHERWISE INDICATED ON PLANS, PANEL SHALL BE INSTALLED WITH TOP OF CABINET AT 6'-6" A.F.F.

MANUFACTURERS SHALL BE SQUARE D OR EQUAL APPROVED BY ENGINEER PRIOR TO BID PROPOSAL.

WHERE LOADS ARE ADDED TO EXISTING PANELBOARDS, THE PANEL SCHEDULE SHALL BE UPDATED AND SHALL INDICATE THE LOCATION AND DESCRIPTION OF THE LOAD.

ALL LUG CONNECTIONS TO PANEL BUSSING, SWITCHES, AND BREAKERS TO BE SIZED TO ACCOMMODATE CONDUCTOR SIZES INDICATED ON THESE DRAWINGS. REDUCTION OF CIRCULAR MIL CAPACITY OF CONDUCTORS IS NOT PERMITTED. ALL LUGS SHALL BE RATED FOR 75° C.

ALL SWITCHBOARDS & PANELBOARDS SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRICAL ARC FLASH HAZARDS, PER CEC 110.16 THE MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE

CONTRACTOR SHALL PROVIDE PERMANENT SIGNAGE AT ALL HIGH VOLTAGE ENCLOSURES, FENCING, ROOMS, VAULTS, ETC. PER CEC 110.34(C). SIGNAGE SHALL READ "DANGER-HIGH VOLTAGE-KEEP OLIT"

7.0 CIRCUIT BREAKERS

ALL CIRCUIT BREAKERS RATED 1200 AMPS OR HIGHER SHALL B PROVIDED WITH ARC ENERGY REDUCTION PER CEC REQUIREMENTS, BY ENERGY REDUCING MAINTENANCE SWITCHING WITH LOCAL STATUS INDICATOR, OR OTHER CEC APPROVED METHOD. MOLDED CASE CIRCUIT BREAKERS SHALL BE OF THE QUICK-MAKE, QUICK-BREAK, TRIP-FREE, THERMAL MAGNETIC BOLT-ON TYPE WITH ON-OFF-TRIPPED POSITIONS CIRCUIT BREAKERS ABOVE 225 AMPERE TRIP RATING SHALL HAVE INTERCHANGEABLE TRIP ELEMENTS. ALL BREAKERS SHALL BE CALIBRATED FOR OPERATION IN AN AMBIENT TEMPERATURE OF 40° C. ALL MULTI-POLE BREAKERS SHALL BE SO DESIGNED THAT AN OVERLOAD IN ONE POLE AUTOMATICALLY CAUSES ALL POLES TO OPEN. ALL PANELBOARD CIRCUIT BREAKERS USED FOR DIRECT SWITCHING OR LIGHTING CIRCUITS, SHALL BE SWITCH DUTY RATED. ALL CIRCUIT BREAKERS SHALL HAVE A MINIMUM 10,000 AIC RATING FOR 250V PANELS AND 14,000 AIC RATING FOR 600V PANELS. ALL MULTIWIRE BRANCH CIRCUIT HOMERUNS & WIRING WITH A SHARED NEUTRAL SHALL BE SUPPLIED WITH A MULTIPOLE CIRCUIT BREAKER PER CEC 210.4(B)

ALL FUSES SHALL BE AS MANUFACTURED BY GOULD SHAMUT, LITTELFUSE, OR BUSSMANN MANUFACTURING CO.

WIRING DEVICES

RECEPTACLE.

SINGLE-POLE SWITCHES SHALL BE 20 AMPERES, 120/277 VOLT, AC, VERIFY FINISH COLOR WITH ARCHITECT, SIDE AND BACK WIRED, HUBBELL CAT. #HBL-1221-W EQUAL BY, G.E., PASS & SEYMOUR, OR LEVITON. THREE-WAY SWITCHES SHALL BE 20 AMPERES, 120/277 VOLT, AC, VERIFY FINISH WITH ARCHITECT, SIDE AN D BACK WIRED, HUBBELL CAT. #HBL-1223-W OR EQUAL BY , G.E., PASS & SEYMOUR, OR LEVITON. DIMMER SWITCHES SHALL BE SLIDE CONTROL 800W, 120 VOLT, AC, FOR INCANDESCENT LOADS OR AS INDICATED ON PLANS. DUPLEX RECEPTACLES FOR 120 VOLT, SINGLE-PHASE SERVICE TO BE RATED 20 AMPERES, 125 VOLT. BACK AND SIDE WIRED, 2-WIRE (NEMA-5-20R) GROUNDING TYPE, VERIFY FINISH COLOR WITH ARCHITECT, HUBBELL CAT. #HBL5362W OR EQUAL BY PASS & SEYMOUR, G.E., OR LEVITON. DOUBLE DUPLEX RECEPTACLES (4-PLEX): TO BE SAME AS DUPLEX RECEPTACLES. TWO DUPLEX RECEPTACLES IN 4" X 4" OUTLET BOX WITH ONE TWO-GANG FACEPLATE. LEVITON, PASS & SEYMOUR, G.E., OR HUBBELL.

RECEPTACLES THAT ARE LOCATED WITHIN, WAITING ROOMS, EXAM ROOMS, TREATMENT ROOMS, RESTROOMS, OR SPACES WHERE PATIENTS ARE PRESENT, SHALL BE LISTED TAMPER—RESISTANT AND SHALL EMPLOY A LISTED TAMPER—RESISTANT COVER WHICH WILL HAVE A GREEN DOT ON IT'S FACE, AND A "TR" ON THE TOP RIGHT OF THE RECEPTACLE PER CEC 517. HUBBELL #8300TRA OR EQUAL.

ALL DEVICE PLATES SHALL BE OF THE UNBREAKABLE PLASTIC TYPE, MANUFACTURED BY PASS & SEYMOUR, LUTRON, LEVITON G.E., OR HUBBELL AND OF VERIFY FINISH COLOR WITH ARCHITECT. DEVICE PLATES FOR EQUIPMENT, STORAGE, AND KITCHEN AREAS SHALL BE STAINLESS STEEL. OUTLETS AND DEVICES SHALL BE SET RIGID, PLUMB, FASTENED SECURELY; WHERE CONCEALED, SET FLUSH WITH FINISH SURFACE.

WIRING CONNECTIONS: CURL WIRE AROUND TERMINAL SCREWS AND TIGHTEN SCREWS FIRMLY. SNAP—IN, PRESSURE—TYPE TERMINALS NOT ACCEPTABLE.

EXTERIOR DUPLEX RECEPTACLES FOR 120 VOLT, SINGLE—PHASE SERVICE TO BE RATED 20 AMPERES, 125 VOLT, BACK AND SIDE WIRED, 2—WIRE (NEMA 5—20R) GFCI TYPE, WP, HUBBELL CAT #GF5362WA WITH COVER BY TAYMAC CORPORATION EXTRA DUTY METAL IN—USE LOCKABLE #MX3200 OR EQUAL.

ALL RECEPTACLE AND SWITCH COVER PLATES SHALL CLEARLY INDICATE, WITH PERMANENT BLACK MARKER ON THE INSIDE OF THE PLATE. THE

ALL WALL SWITCHES AND RECEPTACLES SHALL BE MOUNTED BETWEEN 18" AND 48" TO TOP OF OUTLET BOX PER ADA REQUIREMENTS UNLESS NOTED

CIRCUIT NUMBER AND THE SOURCE OF POWER FEEDING THAT SWITCH OR

ELECTRICAL SWITCHES. CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES OR COOLING, HEATING AND VENTILATING EQUIPMENT, SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF OUTLET BOX NOR LESS THAN 15 INCHES MEASURED FROM THE BOTTOM OF THE OUTLET BOX TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM.

ELECTRICAL RECEPTACLE OUTLETS, ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING NOR LESS THAN 15 INCHES MEASURED FROM THE BOTTOM OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM.

ALL WALL MOUNTED ELECTRICAL AND COMMUNICATION BOXES SHALL BE COVERED ENTIRELY WITH ONE HOUR FIRE PUTTY.

ALL WALL MOUNTED ELECTRICAL AND COMMUNICATION BOXES SHALL
BE SEPARATED BY A MINIMUM OF 24".

3.0 GROUNDING

13.0 GROUNDING

GENERAL: PROVIDE A COMPLETE GROUNDING SYSTEM AND SAFELY GROUND ALL SERVICE DISTRIBUTION EQUIPMENT AND RELATED METALLIC EQUIPMENT IN AN APPROVED MANNER AND AS REQUIRED BY CEC AND AS SHOWN ON DRAWINGS.

PROVIDE A SEPARATE GREEN EQUIPMENT GROUND CONDUCTOR IN ALL CONDUIT AND RACEWAYS.

14.0 LEE SAFETY

CONTRACTOR SHALL FURNISH AND INSTALL NEW LIFE SAFETY DEVICES IN THE AREAS OF WORK. ALL DEVICES ARE TO BE OF THE SAME MANUFACTURER UNLESS NOTED AS THE EXISTING BUILDING LIFE SAFETY SYSTEM AND FULLY APPROVED FOR INSTALLATION BY ALL AUTHORITIES. AT NO TIME SHALL THE CONTRACTOR DISCONNECT OR DISABLE ANY PART OF THE BUILDING LIFE SAFETY SYSTEM WITHOUT APPROVAL OF THE BUILDING LIFE SAFETY DIRECTOR. COORDINATE ALL REQUIRED WORK WITH THE BUILDING LIFE SAFETY DIRECTOR.

ALL FIRE ALARM RELATED BACK BOXES, JUNCTION BOXES, AND BLANK COVER PLATES SHALL BE PAINTED DARK RED IN COLOR FOR IDENTIFICATION.

ALL FIRE ALARM CONTROLS SHALL BE +48". CAC-24.

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ARCHITECTURAL ASSISTANT



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SHEET

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## SHEET NOTES

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REVISION DESCRIPTION DRAWN

CHECKED DATE 02/22/2024 JOB. NO. 21070

SHEET SITE TITLE POWER PLAN



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#### SHEET NOTES

- VERIFY LOCATION OF ALL BUILDINGS AND APPENDITURES ON ARCHITECTURAL AND CIVIL PLANS.
- 2. CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL ELECTRICAL DEVICES PRIOR TO BID. ROUGH-IN & INSTALLATION.
- 3. CONTRACTOR SHALL, IN ROUTING ALL CIRCUITS, INCREASE CONDUCTOR & CONDUIT SIZE TO ALLOW FOR VOLTAGE DROP SHOULD THE CONTRACTOR EXCEED ROUTING INDICATED ON DRAWING. ENGINEER OF RECORD MUST BE NOTIFIED PRIOR TO ANY DEVIATIONS FROM APPROVED PLAN CHECK (PERMIT SET) DRAWINGS.
- 4. FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO TRENCHING. SCHEDULE AND COORDINATE ALL SITE WORK WITH OWNER PRIOR TO ANY TRENCHING.
- 5. ALL CONDUIT 90° CONDUIT BENDS AND RISERS SHALL BE PVC COATED RIGID STEEL.
- 6. CONTRACTOR SHALL COORDINATE AND PROVIDE ALL SITE ELECTRICAL SERVICE REQUIREMENTS WITH SERVING UTILITY.
- 7. ALL SERVICE ENTRANCE EQUIPMENT SHOP DRAWINGS SHALL BE SUBMITTED TO THE LOCAL UTILITY COMPANY FOR APPROVAL, WITH WRITTEN APPROVAL RECEIVED PRIOR TO SUBMISSION TO ELECTRICAL ENGINEER FOR APPROVAL.
- 8. VERIFY LOCATION OF ALL EQUIPMENT AND DEVICES ON ARCHITECTURAL AND CIVIL PLANS.
- 9. MINIMUM CONDUIT BURIAL DEPTH IS 24", 36" MINIMUM BELOW STREETS & PARKING LOTS FOR 0-600 VOLT SYSTEMS. 48" FOR 600V-25KV SYSTEMS.
- 10. CONTRACTOR TO PROVIDE GROUND CONDUCTORS IN ALL CONDUITS. 11. 1" CONDUIT MINIMUM UNDERGROUND.
- 12. COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
- 13. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE AND PER
- LOCAL AUTHORITIES HAVING JURISDICTION. 14. FIELD CONDITIONS GOVERN DEMOLITION AND NEW CONSTRUCTION. CONTRACTOR SHALL VERIFY ACTUAL CONDITIONS PRIOR TO START OF WORK, ARCHITECT / ENGINEER SHALL BE NOTIFIED OF POSSIBLE FIELD PROBLEMS PRIOR TO DEMOLITION. CONTRACTOR SHALL NOTIFY DISTRICT REPRESENTATIVE OF WORK BEING PERFORMED. COORDINATE WITH
- 15. CONTRACTOR WILL BE REQUIRED TO TEST THE FIRE ALARM SYSTEM IN COMPLIANCE WITH THE NFPA 72. TESTING SHALL BE PERFORMED WITH FIRE MARSHALL AND STATE INSPECTOR PRESENT.
- 16. FIRE ALARM, CLOCK, BELLS, AND INTERCOM SYSTEMS CONDUCTORS SHALL BE TERMINATED ON DOUBLE ROW. 20 AMPERE TERMINAL BLOCKS AT ALL SIGNAL CABINETS. LABEL CONDUCTORS APPROPRIATELY PER
- 17. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH DIMENSIONED NYLON
- 18. SITE INSPECTOR IS TO WITNESS & VERIFY GROUNDING SYSTEM TEST. 19. CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION OF TRENCHING, CONTRACTOR SHALL PROTECT ALL EXISTING / REMAINING UTILITIES IN PLACE. CONTRACTOR AT HIS SOLE EXPENSE, SHALL REPAIR ANY UTILITIES SYSTEM DAMAGED DURING CONSTRUCTION.
- 20. VERIFY & PROVIDE ALL UTILITY SYSTEMS PER SERVING UTILITY STANDARD REQUIREMENTS.

#### **KEY NOTES**

DISTRICT REPRESENTATIVE.

- NEW POWER 2'x3' HEAVY DUTY H/20 TRAFFIC RATED CONCRETE PULLBOX LABELED "ELECTRICAL".
- 2 EXISTING COMMUNICATION PULLBOX PROTECT IN PLACE.
- 3 EXISTING POWER PULLBOX PROTECT IN PLACE.
- PROVIDE PORTABLE CLASSROOM #35 FEEDER FROM EXISTING PANELBOARD "J" TO PORTABLE CLASSROOM #35 PANELBOARD. SEE SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- PROVIDE PORTABLE CLASSROOM #36 FEEDER FROM EXISTING PANELBOARD "J" TO PORTABLE CLASSROOM #36 PANELBOARD. SEE SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- PROVIDE PANELBOARD CLASSROOM #28 FEEDER FROM EXISTING PANELBOARD "J" TO PORTABLE CLASSROOM #28 LOCATION. SEE SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.

RATINGS PER NEW BARD HVAC UNIT'S NAMEPLATE REQUIREMENTS.

CONTRACTOR SHALL VERIFY AND PROVIDE 240V 60A 2P CIRCUIT BREAKER TO MATCH EXISTING PANELBOARD MANUFACTURER & AIC



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KRUGER BENSEN ZIEMER ARCHITECTS, INC. AIA 30 W. ARRELLAGA STREET SANTA BARBARA CA 93101

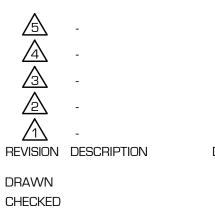
TELEPHONE (805) 963-1726 FAX (805) 963-2951 TODD A JESPERSEN, AIA NHU HOANG

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SHEET ENLARGED TITLE SITE POWER PLAN





#### 1.0 EXAMINATION

A. OBTAIN RECORD DRAWINGS / AS—BUILTS FROM OWNER.
VERIFY FIELD MEASUREMENTS AND CIRCUITING ARRANGEMENTS
ARE AS SHOWN ON RECORD DRAWINGS.

DISCREPANCIES TO OWNER AND ARCHITECT/ENGINEER BEFORE

- B.
  VERIFY THAT ABANDONED WIRING AND EQUIPMENT SERVE
  ONLY ABANDONED FACILITIES.
- C. DEMOLITION DRAWINGS ARE BASED ON CASUAL FIELD OBSERVATION AND EXISTING RECORD DOCUMENTS. REPORT
- DISTURBING EXISTING INSTALLATION.

  BEGINNING OF DEMOLITION MEANS INSTALLER ACCEPTS EXISTING CONDITIONS.

#### 2.0 PREPARATION

## A. DISCONNECT AND MAKE SAFE ALL ELECTRICAL SYSTEMS IN

AND OWNER'S REPRESENTATIVE.

- WALLS, FLOORS, AND CEILINGS SCHEDULED FOR REMOVAL.

  B. COORDINATE UTILITY SERVICE OUTAGES WITH UTILITY COMPANY
- C. PROVIDE TEMPORARY GENERATOR WIRING AND CONNECTIONS TO MAINTAIN REQUIRED EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, USE PERSONNEL EXPERIENCED IN SUCH OPERATIONS.
- D. EXISTING ELECTRICAL SERVICE: MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR SERVICE. DISABLE SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER AT LEAST 72 HOURS BEFORE PARTIALLY OR COMPLETELY DISABLING SYSTEM. MINIMIZE OUTAGE DURATION. MAKE TEMPORARY CONNECTIONS TO MAINTAIN SERVICE IN AREAS ADJACENT TO WORK AREA WHEN OUTAGE AFFECTS BUSINESS OPERATION.
- E. EXISTING FIRE ALARM SYSTEM: MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS ACCEPTED. DISABLE SYSTEM ONLY TO MAKE SWITCHOVERS AND CONNECTIONS. NOTIFY OWNER AND LOCAL FIRE SERVICE AT LEAST 72 HOURS BEFORE PARTIALLY OR COMPLETELY DISABLING SYSTEM. MINIMIZE OUTAGE DURATION. MAKE TEMPORARY CONNECTIONS TO MAINTAIN SERVICE IN AREAS ADJACENT TO WORK AREA.

- F. EXISTING TELEPHONE SYSTEM: MAINTAIN EXISTING SYSTEM IN SERVICE.
- G. EXISTING SECURITY SYSTEM: MAINTAIN EXISTING SYSTEM IN SERVICE.

#### 3.0 DEMOLITION AND EXTENSION OF EXISTING WORK

- A. DEMOLISH AND EXTEND EXISTING ELECTRICAL WORK UNDER PROVISIONS OF THIS SECTION.
- REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.

REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY AND

- D. RE-LABEL DEVICES AS SPARES.

  REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES.
- CUT CONDUIT FLUSH WITH WALLS AND FLOORS, AND PATCH SURFACES.

  E. DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVICING THEM IS ABANDONED AND REMOVED. PROVIDE BLANK COVER FOR
- F. DISCONNECT AND REMOVE ABANDONED PANELBOARDS AND DISTRIBUTION EQUIPMENT.

ABANDONED OUTLETS WHICH ARE NOT REMOVED.

G. DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILIZATION EQUIPMENT THAT HAS BEEN REMOVED.

- H. DISCONNECT AND REMOVE ABANDONED CONDUIT.
- I. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK.
- J. MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE.
- K. EXTEND EXISTING INSTALLATIONS USING MATERIALS AND METHODS COMPATIBLE WITH EXISTING ELECTRICAL INSTALLATIONS, AND IN COMPLIANCE WITH NEW PROJECT SPECIFICATIONS.
- L. MODIFY EXISTING AS-BUILT DRAWINGS TO NOTE CHANGES.

#### 4.0 CLEANING AND REPAIR

- A. CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT WHICH REMAIN OR ARE TO BE REUSED.
- B. SWITCHBOARDS & PANELBOARDS: CLEAN EXPOSED SURFACES AND CHECK TIGHTNESS OF ELECTRICAL CONNECTIONS. REPLACE DAMAGED CIRCUIT BREAKERS AND PROVIDE CLOSURE PLATES FOR VACANT POSITIONS. PROVIDE TYPED CIRCUIT DIRECTORY SHOWING REVISED CIRCUITING ARRANGEMENT.

#### 5.0 INSTALLATION

 A. INSTALL RELOCATED MATERIALS AND AS REQUIRED BY THIS SECTION AND OWNER'S REPRESENTATIVE.

#### DEMOLITION NOTES

- 1. SCOPE: PROVIDE AND PERFORM DEMOLITION, PREPARATORY AND MISCELLANEOUS WORK IN AREAS AS INDICATED AND SPECIFIED,
- 2. DEMOLITION AND REMOVAL OF EXISTING ELECTRICAL CONDUIT, WIRING AND EQUIPMENT REQUIRED TO COMPLETE THE PROJECT.
- 3. PREPARATION OF THE EXISTING BUILDING TO RECEIVE OR CONNECT THE NEW WORK.
- 4. MISCELLANEOUS DEMOLITION, CUTTING, ALTERATION, AND REPAIR WORK ON EXISTING SITE AND IN THE EXISTING BUILDING NECESSARY FOR THE COMPLETION OF THE ENTIRE PROJECT.
- 5. DISCONNECTING AND RECONNECTION OF ELECTRICAL EQUIPMENT AS REQUIRED BY THE CONSTRUCTION MODIFICATIONS.
- 6. EXISTING CONDITIONS: PRIOR TO BID MAKE A DETAILED SURVEY OF THE EXISTING CONDITIONS PERTAINING TO THE WORK. CHECK THE LOCATIONS OF ALL EXISTING STRUCTURES, EQUIPMENT AND WIRING (BRANCH CIRCUITING AND CONTROLS). CHECK FOR ANY HAZARDOUS MATERIALS WHICH MAY REQUIRE SPECIAL HANDLING.
- 7. SALVAGE AND DISPOSAL: ALL REMOVED MATERIAL OTHER THAN ITEMS TO BE REUSED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF IN ACCORDANCE WITH INSTRUCTIONS FROM THE OWNER'S REPRESENTATIVE. DISPOSAL SHALL BE DONE IN ACCORDANCE WITH EPA AND GOVERNING BODY REQUIREMENTS AND REGULATIONS. CONTRACTOR SHALL PAY FEES AND CHARGES FOR DISPOSAL.
- 8. TWO WEEKS PRIOR TO START OF ANY WORK CONTRACTOR SHALL SCHEDULE ALL WORK AND ELECTRICAL SYSTEM OUTAGES WITH OWNERS WRITTEN APPROVAL.
- 9. PROTECT ALL EXISTING POWER, MOTORS AND RELATED EQUIPMENT, ALARM SYSTEM, LIGHTING AND CONTROL SYSTEMS, AND TELEPHONE EQUIPMENT IN PLACE. UNLESS OTHERWISE NOTED.
- 10. CONTRACTOR SHALL LEAVE ALL POWER AND SIGNAL CIRCUITS ENERGIZED, VIA JUNCTION BOX. TO DEVICES IN AREAS OUTSIDE OF DEMOLITION AREA EVEN IF SYSTEMS ARE ROUTED THROUGH DEMOLITION AREA.
- 11. CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY TRENCHING.
  CONTRACTOR SHALL PROTECT ALL EXISTING / REMAINING UNDERGROUND UTILITY SYSTEMS IN PLACE. CONTRACTOR SHALL REPAIR ANY UTILITY SYSTEM DAMAGE DURING CONSTRUCTION.

#### **KEY NOTES**

- EXISTING RELOCATABLE CLASSROOMS #20 & #21 TO BE REMOVED OFF SITE. CONTRACTOR SHALL MOVE TO NEW OFF SITE LOCATION AS DIRECTED PER LUSD REPRESENTATIVE. CONTRACTOR SHALL REMOVE, REPROGRAM, AND UPDATE ADDRESSABLE DEVICES VIA EXISTING "SPE2" & CAMPUS "FACP".
- 2 EXISTING CLASSROOM #28 RELOCATED AS NOTED.



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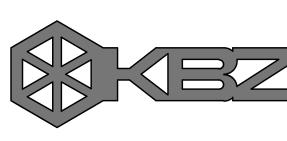
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NHU HOANG
ARCHITECTURAL ASSISTANT

TODD A JESPERSEN, AIA

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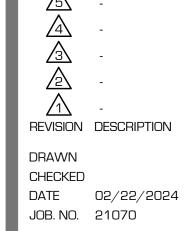
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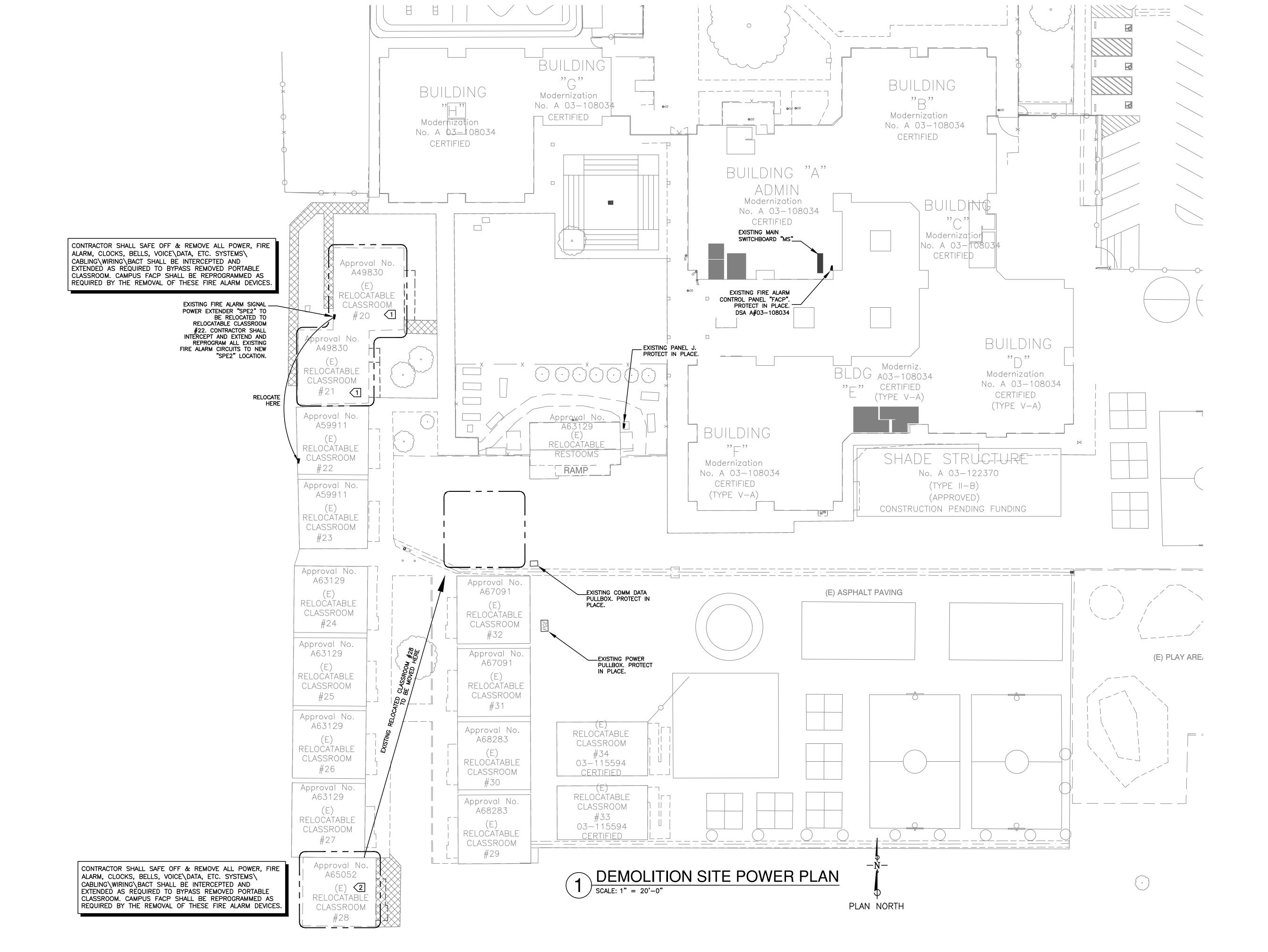


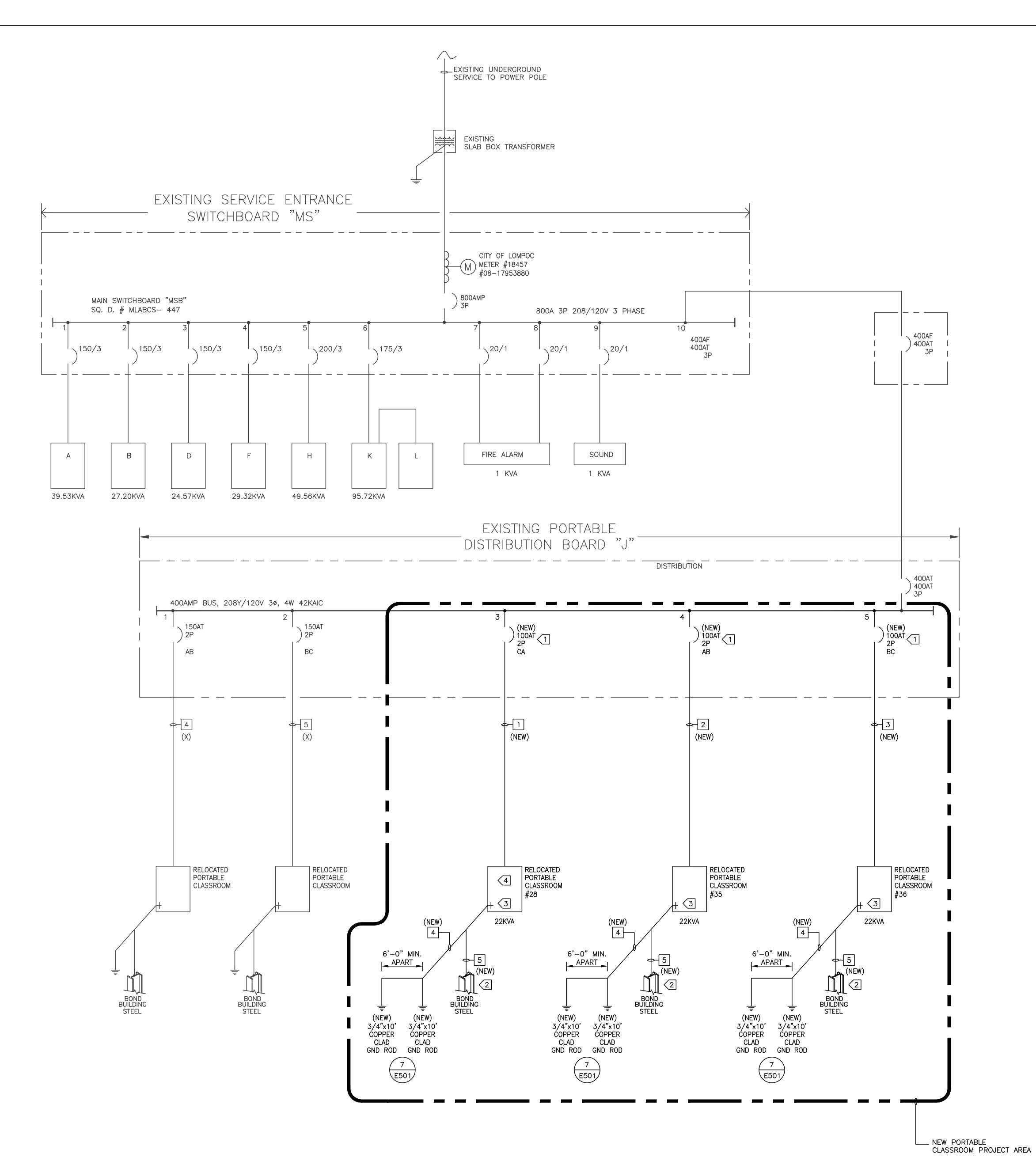


SHEET DEMOLITION SITE TITLE POWER PLAN

SHEET

E202





	FEEDER SCHE	DULE			
TAG	CONDUIT/CONDUCTOR	FROM	то	APPROX LENGTH VD	PERCENT VOLT.DRO
1	(NEW) 2"C-3#2/0 & 1#4 GND	(X) DIST. J	PORTABLE CLASSROOM	140'	1.0%
2	(NEW) 2"C-3#2/0 & 1#4 GND	(X) DIST. J	PORTABLE CLASSROOM	190'	1.3%
3	(NEW) 2"C-3#2/0 & 1#4 GND	(X) DIST. J	PORTABLE CLASSROOM	230'	1.6%
4	(NEW) 1"C-1#4 GND	PORTABLE CLASSROOM	GROUND	_	-
5	(NEW) 1"C-1#4 GND	PORTABLE CLASSROOM	GROUND	_	-
6	_	-	_	-	-
7	_	-	_	-	-
8	_	-	_	_	_
9	_	-	_	_	-
10	_	-	_	-	_
11	_	-	_	-	_
12	_	-	_	_	-
13	_	-	_	_	_
14	_	-	_	-	_
15	_	-	-	_	_

#### SHEET NOTES:

- 1. VERIFY LOCATION OF ALL BUILDINGS AND APPENDITURES ON ARCHITECTURAL AND CIVIL PLANS.
- 2. CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL ELECTRICAL DEVICES PRIOR TO BID. ROUGH-IN & INSTALLATION.
- CONTRACTOR SHALL, IN ROUTING ALL CIRCUITS, INCREASE CONDUCTOR & CONDUIT SIZE TO ALLOW FOR VOLTAGE DROP SHOULD THE CONTRACTOR EXCEED ROUTING INDICATED ON DRAWING. ENGINEER OF RECORD MUST BE NOTIFIED PRIOR TO ANY DEVIATIONS FROM APPROVED PLAN CHECK (PERMIT SET) DRAWINGS.
- 4. FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO TRENCHING. SCHEDULE AND COORDINATE ALL SITE WORK WITH OWNER PRIOR TO ANY TRENCHING.
- ALL CONDUIT 90° CONDUIT BENDS AND RISERS SHALL BE PVC COATED RIGID STEEL.
- VERIFY LOCATION OF ALL EQUIPMENT AND DEVICES ON ARCHITECTURAL AND CIVIL PLANS.
- MINIMUM CONDUIT BURIAL DEPTH IS 24", 36" MINIMUM BELOW STREETS & PARKING LOTS FOR 0-600 VOLT SYSTEMS.
- 8. CONTRACTOR TO PROVIDE GROUND CONDUCTORS IN ALL CONDUITS.
- 9. 1" CONDUIT MINIMUM UNDERGROUND.
- 10. COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
- 11. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE CALIFORNIA ELECTRICAL CODE AND PER LOCAL AUTHORITIES HAVING JURISDICTION.

## **KEY NOTES:**

- PROVIDE (3) 100A, 2 POLE CIRCUIT BREAKERS IN PANEL "J" FOR NEW PORTABLE CLASSROOMS. FIELD VERIFY AND PROVIDE NEW FEEDER BREAKERS IN EXISTING SWITCHBOARD TO MATCH EXISTING MANUFACTURER, AIC RATINGS, ETC. PROVIDE NEW DEAD FRONT MODIFICATIONS, BUSSING, BRACKETS, FITTINGS, CONNECTORS, ETC. AS REQUIRED TO INSTALL NEW FEEDER BREAKER IN EXISTING SWITCHBOARD.
- #4 AWG CU BOND TO GROUNDING LUGS ON STEEL BEAMS FOR EACH SECTION MODULE PER MANUFACTURER'S & THE AUTHORITY HAVING JURISDICTION REQUIREMENTS.
- BRANCH CIRCUIT LOAD CENTER PROVIDED BY PORTABLE CLASSROOM MANUFACTURER. VERIFY LOCATION & PROVIDE CONNECTION PER VENDOR'S SHOP DRAWINGS.
- CONTRACTOR SHALL VERIFY AND PROVIDE 240V 60A 2P CIRCUIT BREAKER TO MATCH EXISTING PANELBOARD MANUFACTURER & AIC RATINGS PER NEW BARD HVAC UNIT'S NAMEPLATE REQUIREMENTS.

EXISTING SOURCE OF POWER HAS BEEN INVESTIGATED, AND IS ADEQUATE FOR NEW CLASSROOM BUILDING LOAD

LOAD SUMMARY	
PEAK DEMAND DATA FROM CITY OF LOMPOC POWER UTILITY MULTIPLIED 125% PER CEC REQUIREMENTS	100 KVA
NEW LOAD ON "J" - (3) PORTABLE CLASSROOMS	44 KVA
NEW TOTAL KVA LOAD ON "MS" (208V 3Ø IN AMPS)	144 KVA (400 AMPS)

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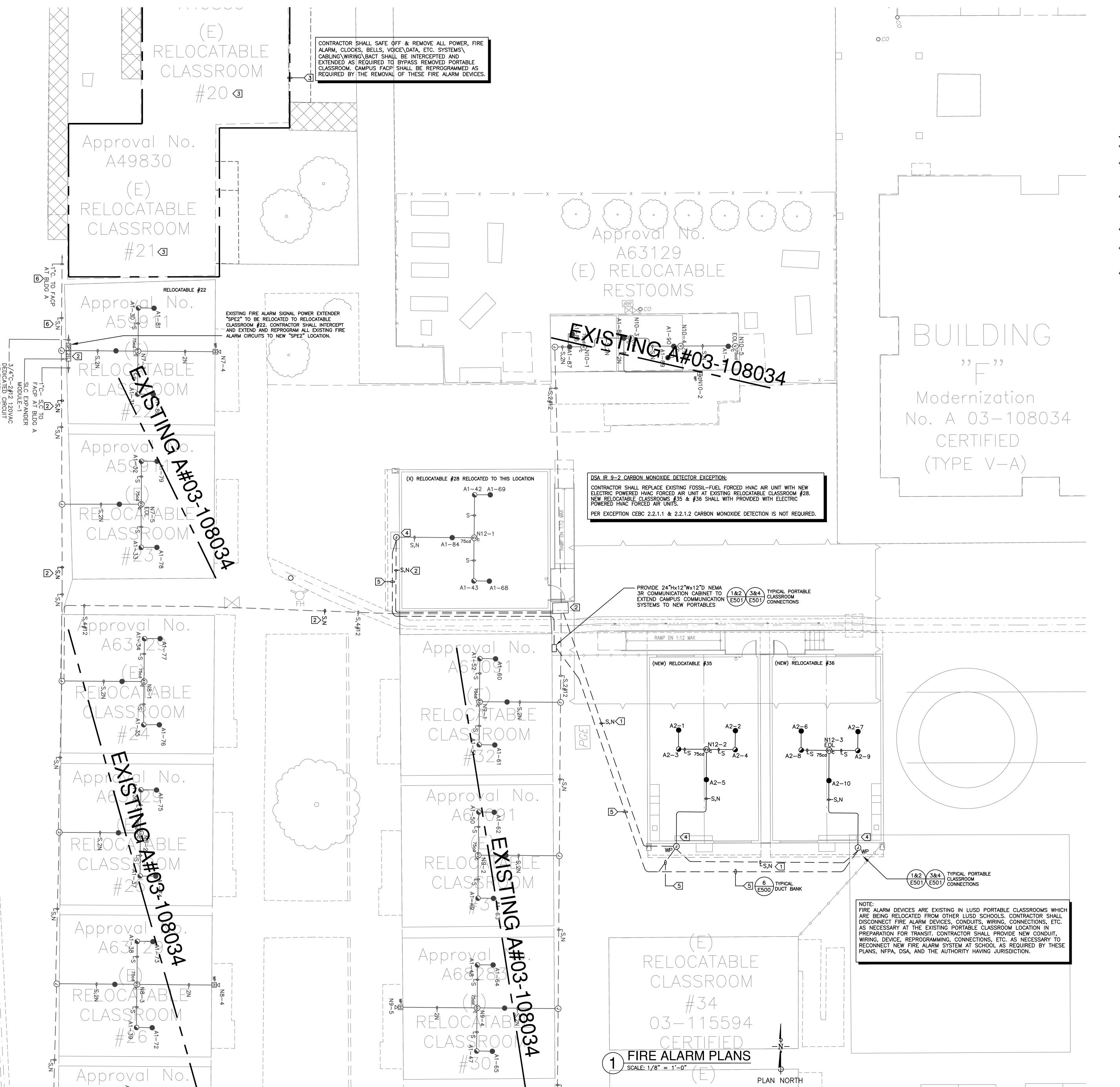
MMARY	
POC POWER UIREMENTS	100 KVA
ASSROOMS	44 KVA
	144 KVA (400 AMPS)

REVISION DESCRIPTION DRAWN CHECKED DATE 02/22/2024

JOB. NO. 21070

SHEET ELECTRICAL TITLE SINGLE LINE DIAGRAM

E300



#### SHEET NOTES

- 1. CONTRACTOR SHALL PROVIDE AND INSTALL A FULLY AUTOMATIC FIRE ALARM SYSTEM FOR THE RELOCATABLE BUILDINGS.
- 2. FIRE ALARM WIRING SHALL BE POWER LIMITED.
- 3. EXPOSED RACEWAYS SHALL BE WIREMOLD.
- 4. VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
- 1" MINIMUM BELOW GRADE, 3/4" CONDUIT MINIMUM UNLESS OTHERWISE NOTED.

### **KEY NOTES**

- PROVIDE 1"C.—S & N FIRE ALARM CABLING FROM RELOCATABLE CLASSROOMS #28, #35, & #36 TO EXISTING FIRE ALARM PULLBOX.
- FROM EXISTING FIRE ALARM PULLBOX, PULL NEW S & N (SLC & NOTIFICATIONS CIRCUITS) TO EXISTING SPE2. CONTRACTOR SHALL ADD, ADDRESS, AND REPROGRAM EXISTING "SPE2" & EXISTING CAMPUS FIRE ALARM CONTROL PANEL FOR THIS PROJECT'S (3) PORTABLE CLASSROOMS.
- EXISTING RELOCATABLE CLASSROOMS #20 & #21 TO BE REMOVED OFF SITE. CONTRACTOR SHALL MOVE TO NEW OFF SITE LOCATION AS DIRECTED PER LUSD REPRESENTATIVE. CONTRACTOR SHALL REMOVE, REPROGRAM, AND UPDATE ADDRESSABLE DEVICES VIA EXISTING "SPE2" & CAMPUS "FACP".
- 4 SIGNAL SYSTEM CABINET. SEE (1&3) FOR TYPICAL LAYOUT.
- (2)1"C.O. WITH PULLSTRING FOR OWNER PROVIDED CLOCK / DATA / INTERCOM / VOICE CABLING. VERIFY & PROVIDE RACEWAYS PER OWNER'S REQUIREMENTS.
- 6 CONTRACTOR SHALL PROVIDE A COMPLETE AND FULLY OPERATIONAL FIRE ALARM SYSTEM. CONTRACTOR SHALL RE-ESTABLISH AND RE-CONNECT AND RE-PROGRAM FIRE ALARM CIRCUITS BACK TO CAMPUS FACP AND TEST FIRE ALARM SYSTEM.

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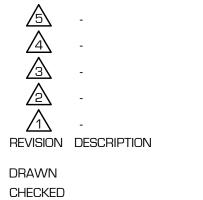
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SHEET FIRE ALARM TITLE PLANS



-/-/-

DATE





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SHEET FIRE ALARM TITLE SYSTEM CALCULATIONS

SHEET E401

 $\frac{\text{CALCULATION:}}{\text{C.M.}} = \text{VOLTS DROPPED}$ BACK BOX REQUIREMENTS EXISTING PROTECT IN PLACE EXISTING PROTECT IN PLACE
4" OCT. BOX W/ MUD RING 4" OCT. BOX W/ MUD RING 3" ROUND RING (T-BAR BRIDGE REQUIRE 4 (NEW) SMOKE DETECTOR W/ BASE SILENT KNIGHT SD505-APS 7272-0559:129 4" OCT. BOX W/ MUD RING
6 (NEW) ABOVE CEILING HEAT DETECTOR W/ BASE SILENT KNIGHT SD505-AHS 7270-0559:127 4" OCT. BOX W/ MUD RING
2 (NEW) AUDIO VISUAL CEILING MOUNT GENTEX GCC24CR 7135-0569:122 3" ROUND RING (T-BAR BRIDGE REQUIRED TYPE A 15CD STROBE 0.055 TYPE B 75CD STROBE 0.112

REQUIRED FIRE SAFETY CONTROL

TYPE F 75CD STROBE CEILING 0.176 TYPE C HORN 0.021 TYPE J 110CD A/V 0.157 = TOTAL x DISTANCE x 21.6 + CIRCULAR VOLTS APPLIED 100 % OF CURRENT X IN FEET X 21.6 + CIRCULAR VOLTS PRECENT = VOLTAGE DROP SPE-2 N12 TYPE D 3 X .197 0.591 X 548' X 21.6 + 4110 = 1.702 + 24 X 100 = 7.092%(3) CLASSROOMS

TYPE D 75CD A/V CEILING 0.197

TYPE E 115CD A/V CEILING 0.235

THUS (VOLTAGE DROP) - APPLIED VOLTAGE (24 VOLTS) x 100(PERCENT) = PERCENT OF VOLTAGE DROP

6530

1620

TYPE G 15CD STROBE CEILING 0.072

TYPE H 75CD A/V 0.133

VOLTAGE DROP CALCULATIONS

FEET = ONE WAY DISTANCE IN FEET MEASURED FROM SOURCE TO THE LAST DEVICE.

C.M. = CROSS SECTIONAL AREA OF CONDUCTOR IN CIRCULAR MILS. SEE CHART BELOW

WIRE RESISTANCE

1.59 PER 1000'

2.52 PER 1000'

4.02 PER 1000'

6.39 PER 1000'

I = TOTAL CIRCUIT CURRENT

21.6 = FORMULA CONSTANT

AWG 12

AWG 14

AWG 16

AWG 18

#28,#35,#36

MULTIPLY BY THE DERATING FACTOR 1.20 AH MINIMUM BATTERY AH REQUIRED <u>6.768</u> AH <u>18.00</u> AH BATTERY AH SUPPLIED SPARE CAPCITY <u>11.231</u>AH EXISTING BATTERY RECALCULATIONS EXISTING "SPE-2" NAC-7 | 1 | NAC-8 | 1 | NAC-9 | 1 | 0.809 NAC-10 1 NAC-11 1 0.720 0.415 --NAC-12 1 STANDBY ALARM TOTAL STANDY CURRENT (AMPS) 0.098 4.572 TOTAL ALARM CURRENT (AMPS) STANDBY TIME IN HOURS 24 0.083 ALARM TIME IN MINUTES / 60 (5 MIN.) TOTAL STANDBY AH REQUIRED 2.352 0.379 TOTAL ALARM AH REQUIRED TOTAL COMBINED AH REQUIRED 2.731 AH

MULTIPLY BY THE DERATING FACTOR \_\_\_\_\_\_AH MINIMUM BATTERY AH REQUIRED 3.277 AH BATTERY AH SUPPLIED \_\_\_\_7.00\_\_AH <u>3.722</u>AH SPARE CAPACITY

**EXISTING BATTERY RECALCULATIONS 5820XL FACP** 

TOTAL

\_\_

\_\_

STANDBY ALARM

TOTAL STANDY CURRENT (AMPS) 0.217 5.28 TOTAL ALARM CURRENT (AMPS)

TOTAL STANDBY AH REQUIRED <u>5.208</u> <u>0.438</u> TOTAL ALARM AH REQUIRED

TOTAL COMBINED AH REQUIRED 5.640 AH

STANDBY TIME IN HOURS 24 0.083 ALARM TIME IN MINUTES / 60 (5 MIN.)

NAC-2 1 NAC-3 1

TOTAL

0.047

CONTRACTOR TO PROVIDE STATEMENT OF COMPLIANCE PER CFC 901.2.1; NFPA 72 CHAPTER 10 CFC 901.5.1 OCCUPANCY PROHIBITED UNTIL REQUIRED FIRE ALARM SYSTEM HAS BEEN TESTED AND APPROVED. RECORD OF SENSIBILITY TO BE MAINTAINED ON PREMISES MINIMUM THREE YEARS. CFC 901.6.2.

TEST AND APPROVAL PER CHAPTER 10 AND 14 CFC SECTION 907.18

TEST METHOD PER CHAPTER 14 NFPA 72.

FACP 1 (EXISTING) FACP DSA A#03-108034

SPE2 1 (EXISTING) SPE2 DSA A#03-108034

2 (EXISTING) SMOKE DETECTOR W/ BASE
3 (EXISTING) ABOVE CEILING HEAT DETECTOR

PROJECT NOTES 1. ALL WIRE SHALL BE IN FIRE ALARM POWER LIMITED CABLE. 2. DO NOT RELOCATE ANY DEVICES WITHOUT WRITTEN APPROVAL FROM SYSTEM DESIGNER. ALL DEVICES IN THIS DRAWING ARE PLACED TO MEET CODE REQUIREMENTS.

3. ANY CHANGES IN THE WIRING SHALL BE VERIFIED BY SYSTEM DESIGNER.
4. EQUIPMENT WIRING OF DEVICES NOT PROVIDED BY FIRE ALARM VENDOR. SHALL VERIFIED BY THE ENDINEER 5. MANUAL PULL STATIONS SUGGESTED MOUNTING AT 48 IN. ABOVE FLOOR SURFACE TO THE CENTER OF THE STATION. 6. RECOMMENDED HEIGHT FOR AUDIO VISUAL 80-96 IN. ABOVE FINISHED FLOOR TO THE BOTTOM OF THE LIGHT. RECOMMENDED HEIGHT FOR AUDIO 90" ABOVE FINISHED FLOOR OR 6" BELOW CEILING WHICHEVER IS LOWER.

7. MAINTAIN WIRING COLOR CODES. 8. ALL WRING TO BE AS CALLED FOR IN C.E.C. ARTICLE 760.

9. ALL SMOKE DETECTORS TO BE MOUNTED AWAY FROM THE DIRECT PATH OF HVAC OUTLETS. 10. KEEP A MINIMUM OF 4 FEET BETWEEN SMOKE DETECTORS AND IN/OUT HVAC REGISTER. 11. THIS FIRE ALARM SYSTEM DOES NOT CONTROL ANY OTHER ELECTRICAL OR MECHANICAL DEVICES NOT SHOWN IN THESE DRAWINGS. 12. IDENTIFY FIRE ALARM CIRCUIT IN RED, INSTALL BREAKER LOCK-ON DEVICE.

**LEGEND** 

WIRE CHART

CONTROL UNIT ANNUNCIATION

SILENT KNIGHT 5820XL 7170-0559:135

GENTEX GCC24CR 7135-0569:122

1/2"C. & WIRE DESCRIPTION (INTERIOR USE) WIRE DESCRIPTION (EXTERIOR & UNDERGROUND)

2#12 THHN IN CONDUIT OR FPL

2#12 THHN TWISTED PAIR IN CONDUIT

2#12 TWISTED PAIR IN CONDUIT, WEST PENN AQ227 7161-0859:0101

**NOTIFICATION** 

SILENT KNIGHT 5895XL 7170-0559:135

SILENT KNIGHT SD505-APS 7272-0559:129

SILENT KNIGHT SD505-AHS 7270-0559:127

LDEVICE ADDRESS --- DEVICE ADDRESS —— SIGNAL LINE CIRCUIT FROM FACP CLASS "B" STYLE "4" — SIGNAL LINE CIRCUIT FROM SLC EXPANDER-1 CLASS "B" STYLE "4"

N1-3 EOL ─END OF LINE RESISTOR (4.7K) LDEVICE NUMBER NOTIFICATION APPLIANCE CIRCUIT CLASS "B" STYLE "Y"

DEMOLISH OF EXISTING FIRE ALARM DEVICES SHALL BE THE RESPONSIBILITY OF THE INSTALLING ELECTRICAL CONTRACTOR. INSTALL NEW STAINLESS STEEL COVER PLATES ON ALL BOXES WHERE DEVICES

**REQUIRED NOTES** 

MADE IN THE PRESENCE OF THE FIRE MARSHAL.

A MINIMUM OF 48 HOURS NOTICE SHALL BE REQUIRED FOR ANY INSPECTION AND/OR TESTING.

ALL DEVICES OF THE FIRE ALARM SYSTEM SHALL BE

A STAMPED SET OF APPROVED FIRE ALARM PLANS

PLANS, INCLUDING THE SUBSTITUTION OF DEVICES

ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE

CODE, OR RECOGNIZED STANDARDS SHALL BE BROUGHT

TO THE ATTENTION OF THE INSPECTOR OF RECORD.

A CERTIFICATE OF COMPLIANCE SHALL BE PREPARED BY THE INSTALLER AND GIVEN TO THE FIRE

MARSHAL UPON COMPLETION OF THE INSTALLATION.

SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION. ANY DEVIATION FROM APPROVED

SHALL BE APPROVED BY THE FIRE MARSHAL.

DIVISION OF THE STATE ARCHITECT.

THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRIC CODE.

INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS. INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF

THE SYSTEM HAVE BEEN APPROVED BY THE STATE OF CALIFORNIA

UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE SYSTEM SHALL BE

APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL.

THE INSTALLATION OF THE NEW SYSTEM MUST BE INSTALLED UNDER THE SUPERVISION OF A SILENT KNIGHT FACTORY TRAINED AND CERTIFIED ENGINEERED SYSTEM DISTRIBUTOR. THE AUTOMATIC FIRE ALARM SYSTEM SHALL BE INSTALLED TESTED AND MAINTAINED IN ACCORDANCE WITH

THE STATE FIRE MARSHAL REGULATIONS. (2022 CBC)

THE AUTOMATIC FIRE ALARM SYSTEM SHALL COVER ALL ROOMS AND AREAS AND UPON ACTIVATION OF AN INITIATING DEVICE ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO A UL APPROVED SUPERVISING STATION. (EXEMPTION SMOKE DETECTORS ARE NOT REQUIRED IN NON-ACCESSIBLE AREAS AS DEFINED IN 2022 CBC.

ALARM INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15dba ABOVE THE AVERAGE AMBIENT NOISE LEVELS OR 5dba ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF 60 SECONDS WHICH EVER IS GREATER. MEASURED 5' ABOVE THE FLOOR. AMBIENT NOISE LEVELS MEANS THE LEVEL WHICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY BUILDING ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS. (NFPA 72, 2022 EDITION)

THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL, WARNINGS SHALL HAVE A FLASH RATE OF NOT EXCEEDING TWO FLASHES PER SECOND (2 HZ) NOR BE LESS THAN ONE FLASH EVERY SECOND (1 HZ) STROBE SIGNALING DEVICES FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHAL APPROVED AND LISTED. (NFPA 72, 2022 EDITION)

FIRE ALARM MONITORING NOTE: AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN SUPERVISING STATION AS REQUIRED BY THE NFPA 72 AS AMENDED BY ARTICLE 91. THE SUPERVISING STATION SHALL LISTED AS EITHER UUFX OR UUJS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER.

# MIGUELITO ELEMENTARY SCHOOL

MOUNTED RACEWAYS.

FIRE ALARM PLAN COMPLETE PLAN SUBMITTAL

SURFACE MOUNTED RACEWAY COMPLETENESS; CONTRACTOR SHALL PROVIDE AL RACEWAY, FITTINGS, SUPPORTS, BOXES, DEVICES PLATES, ETC. NECESSARY FOR A COMPLETE AND WORKABLE SURFACE MOUNTED ELECTRICAL RACEWAY SYSTEM PRIOR TO INSTALLATION CONTRACTOR SHALL PERFORM A PREINSTALLATION SURFACE MOUNTED RACEWAY JOB WALK WITH OWNER & ARCHITECT FOR CONTRACTOR TO FIELD VERIFY EXACT ROUTING OF ANY & ALL SURFACE

#### **KEY NOTES**

PROVIDE 1"C.-S, & N FIRE ALARM CABLING FROM RELOCATABLE CLASSROOMS #28, #35, & #36 TO EXISTING FIRE ALARM PULLBOX. FROM EXISTING FIRE ALARM PULLBOX, PULL NEW S & N (SLC & NOTIFICATIONS CIRCUITS) TO EXISTING SPE2. CONTRACTOR SHALL ADD, ADDRESS, AND REPROGRAM EXISTING "SPE2" & EXISTING CAMPUS FIRE

ALARM CONTROL PANEL FOR THIS PROJECT'S (3) PORTABLE

CONTRACTOR SHALL PROVIDE A COMPLETE AND FULLY OPERATIONAL FIRE ALARM SYSTEM. CONTRACTOR SHALL RE-ESTABLISH AND RE-CONNECT AND RE-PROGRAM FIRE ALARM CIRCUITS BACK TO CAMPUS FACP AND TEST FIRE ALARM SYSTEM.



DSA STAMP

LOMPOC UNIFIED SCH ELEMENTARY MIGUEL



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STAMP & SIGNATURE

-/-/- XX

-/-/- XX

DATE



REVISION DESCRIPTION

DATE 02/22/2024 JOB. NO. 21070

SHEET FIRE ALARM

TITLE SYSTEM RISER DIAGRAMS

E402

DRAWN

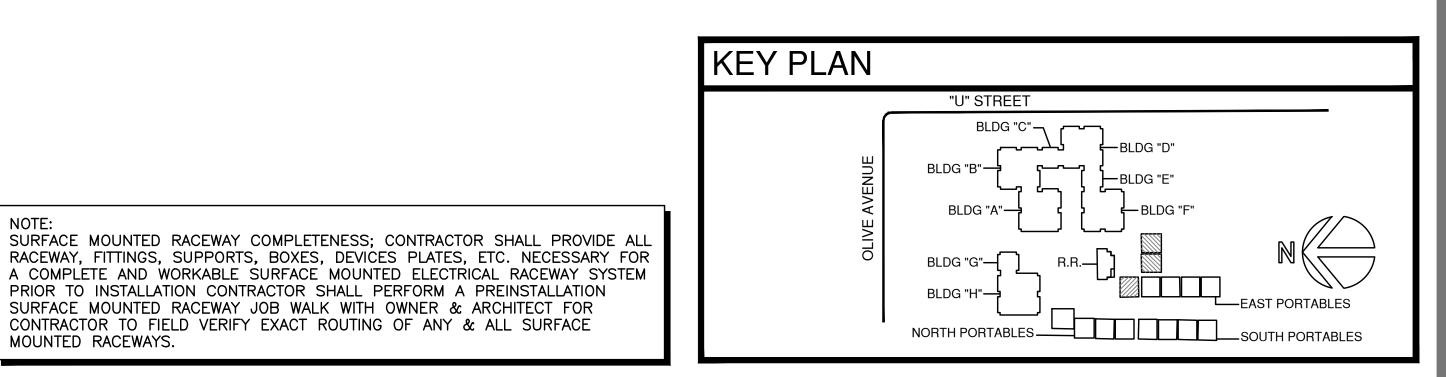
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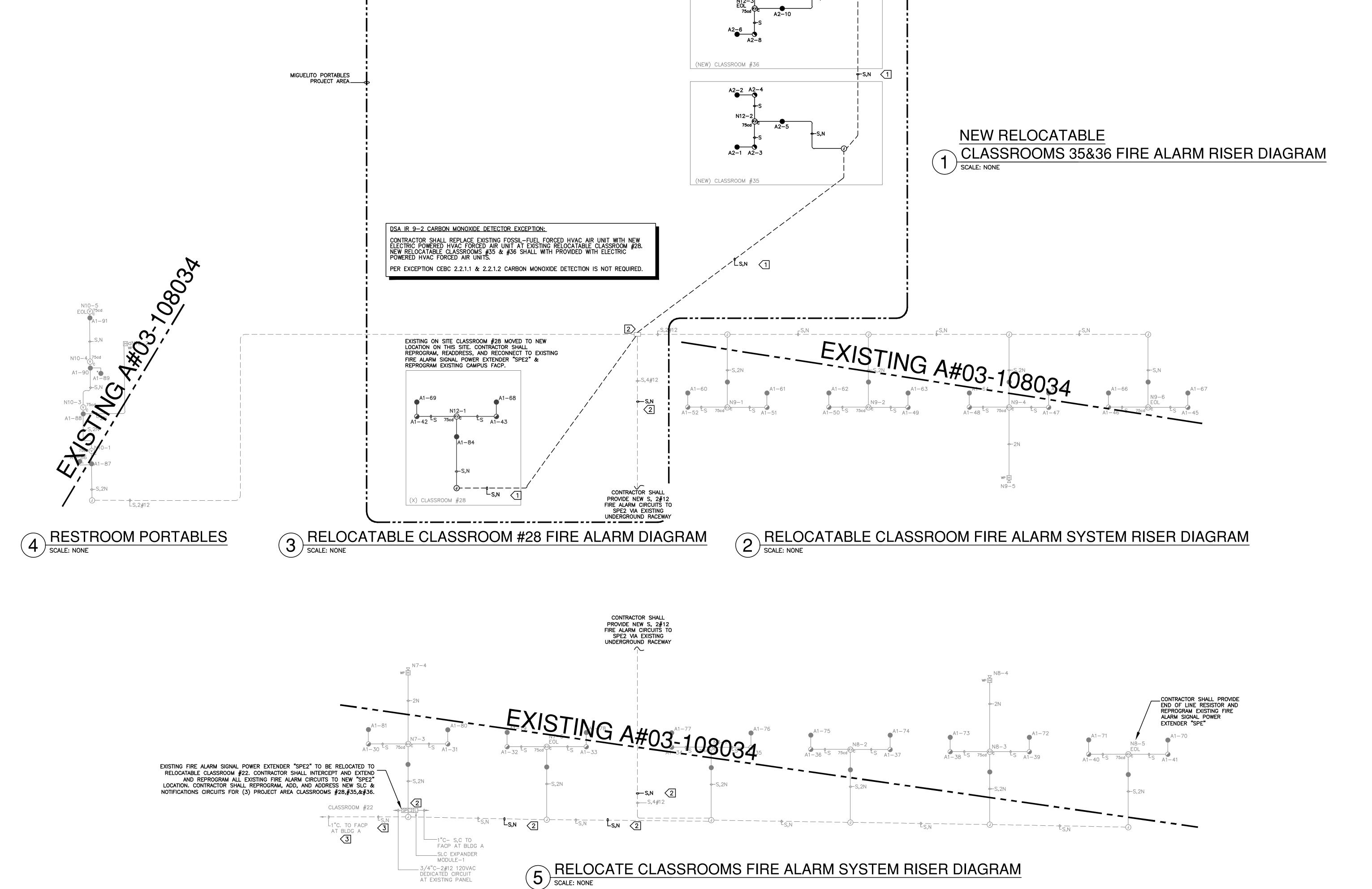
CHECKED

ARCHITECTURAL ASSISTANT



CONSULTANT INFORMATION





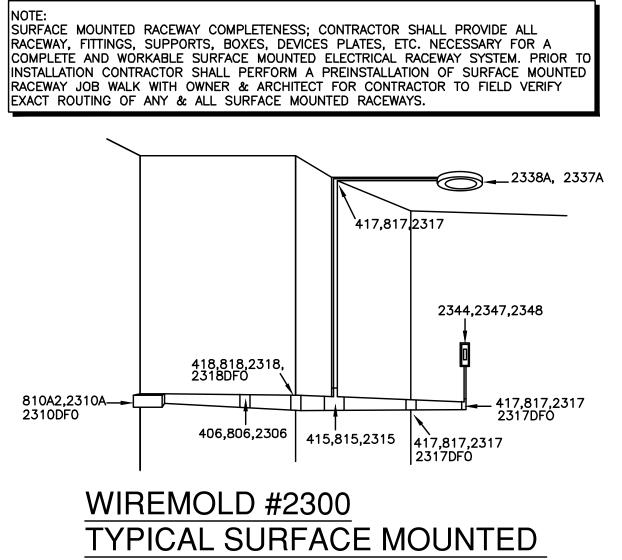
PRIOR TO INSTALLATION CONTRACTOR SHALL PERFORM A PREINSTALLATION

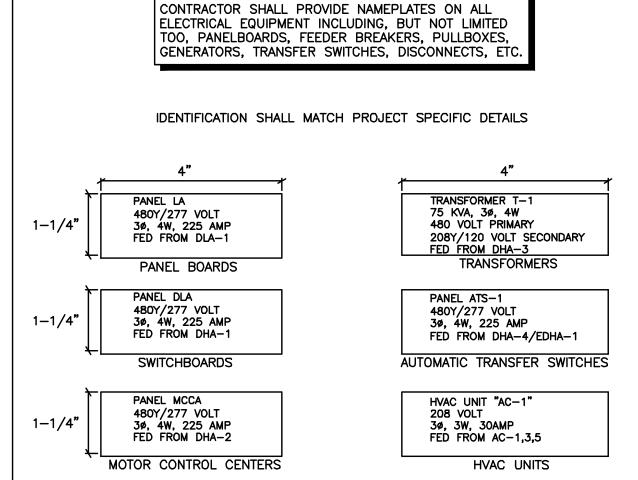
SURFACE MOUNTED RACEWAY JOB WALK WITH OWNER & ARCHITECT FOR CONTRACTOR TO FIELD VERIFY EXACT ROUTING OF ANY & ALL SURFACE

MOUNTED RACEWAYS.

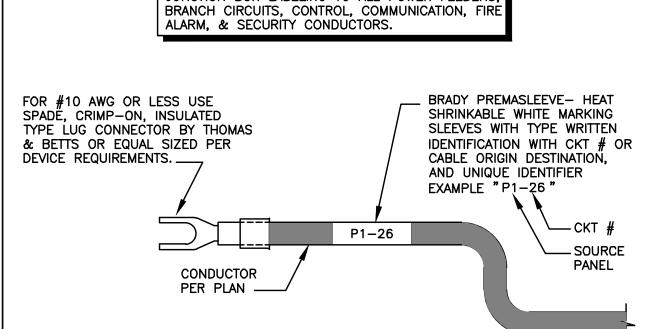
3/4"C-2#12 120VAC DEDICATED CIRCUIT

AT EXISTING PANEL

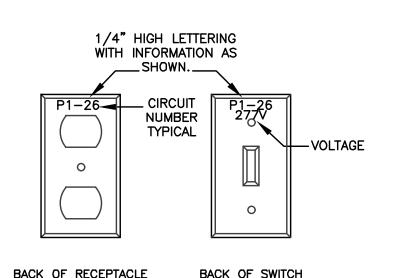


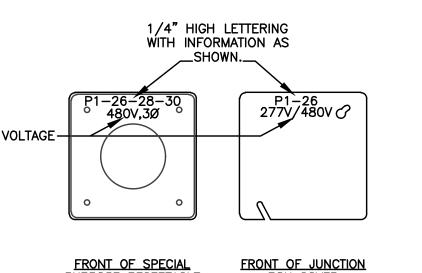












TYPICAL DEVICE COVER PLATE LABELING

3 TYPICAL LABELING DETAIL SCALE: N.T.S.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITE APP: 03-123803 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 05/29/2024

DSA STAMP

اللا ك MIGUEL

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KRUGER BENSEN ZIEMEF ARCHITECTS, INC. AIA

30 W. ARRELLAGA STREET SANTA BARBARA CA 93101

TODD A JESPERSEN, AIA

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All ideas, design arrangements and plans indicated or represented by this drawing

CONSULTANT INFORMATION

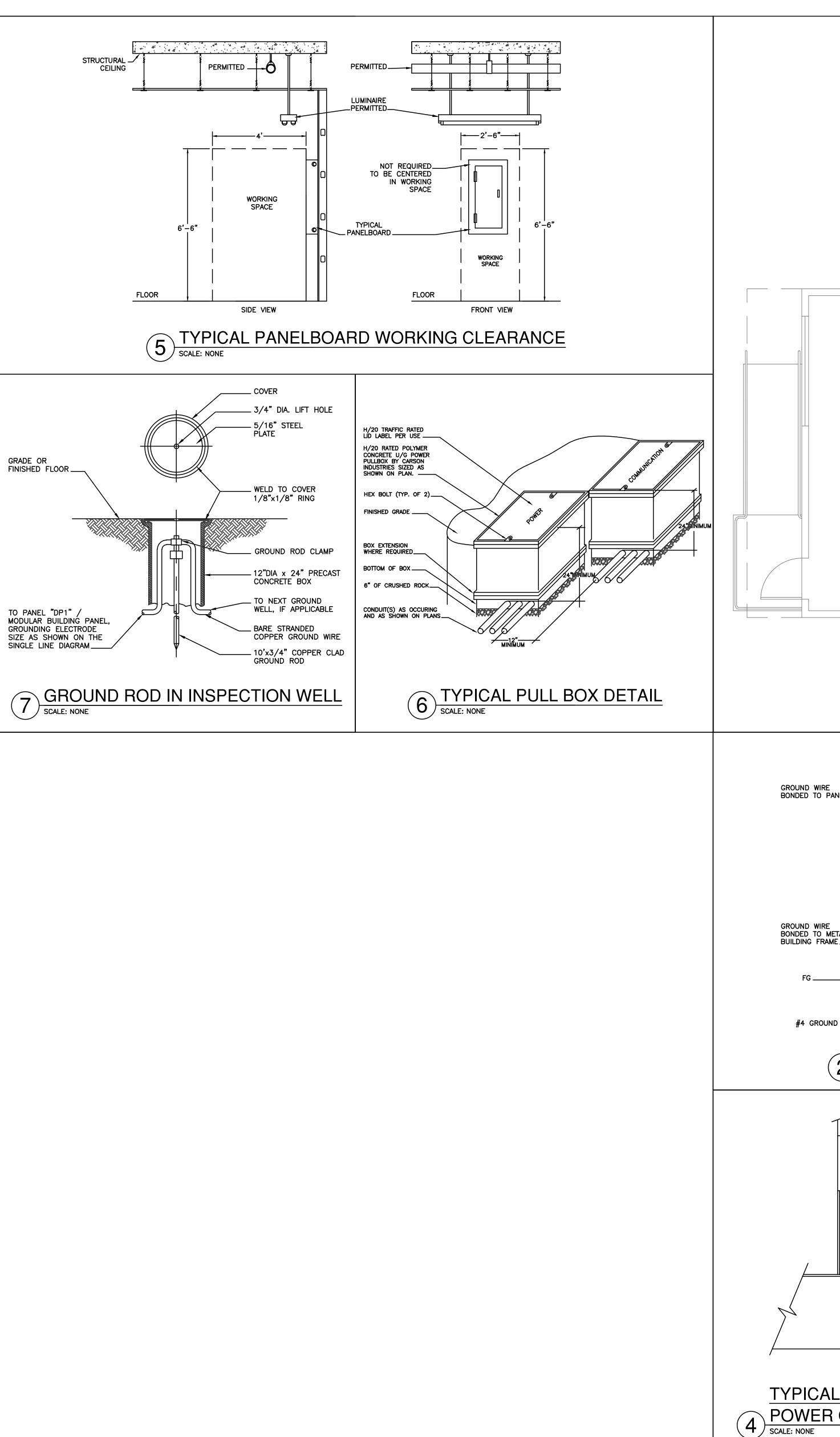
DATE

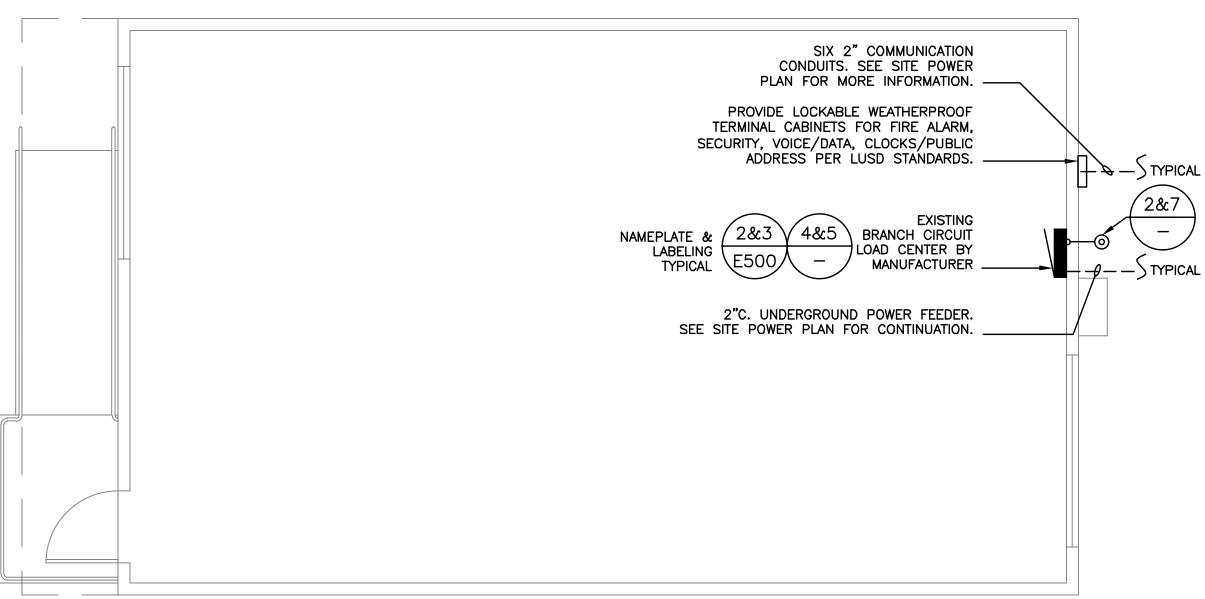
REVISION DESCRIPTION DRAWN CHECKED DATE 02/22/2024 JOB. NO. 21070

SHEET ELECTRICAL TITLE DETAILS

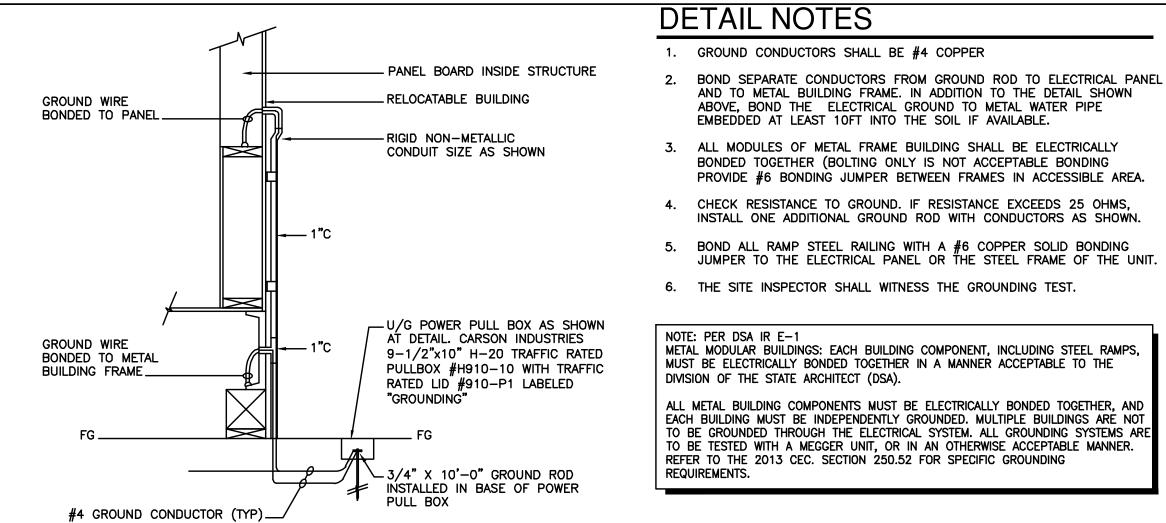
SHEET

E50C

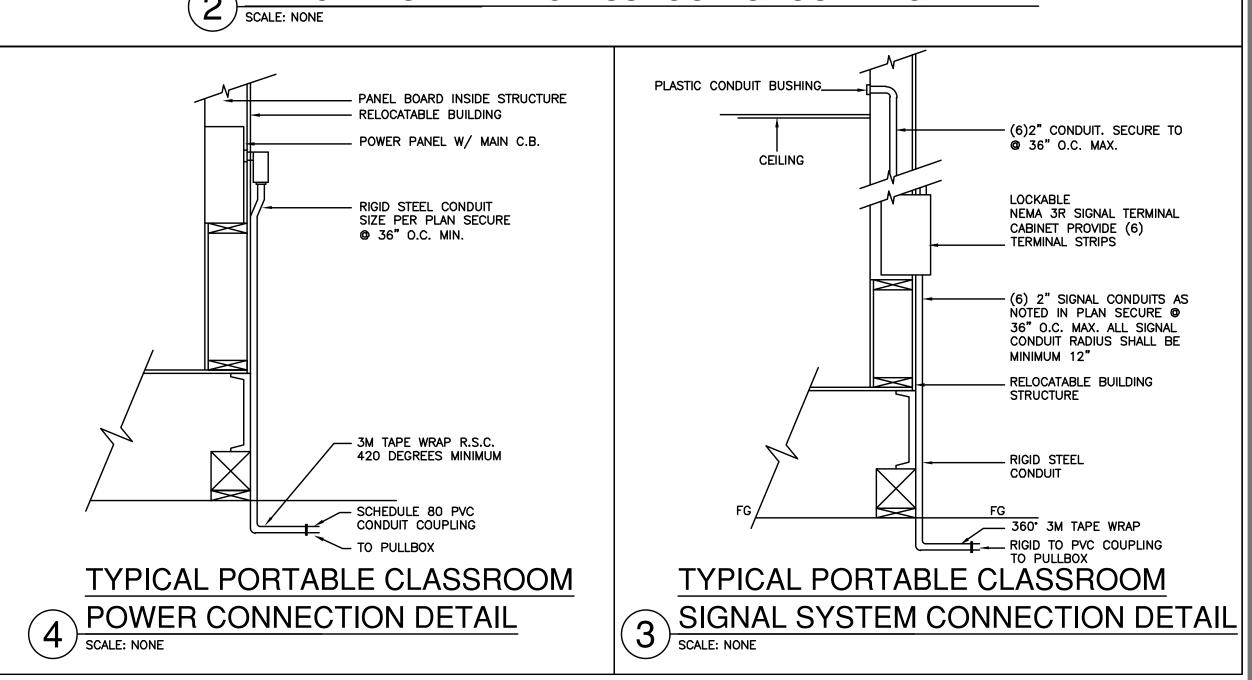




1 TYPICAL PORTABLE CLASSROOM CONNECTIONS
SCALE: NONE



2 TYPICAL PORTABLE CLASSROOM GROUNDING DETAIL
SCALE: NONE



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 03-123803 INC:

REVIEWED FOR

SS FLS ACS D

DATE: 05/29/2024

05/29/2024

MIGUELITO ELEMENTARY SCHOOL DISTRICT

1600 WOLNE ANE, LOMPOC, CA 93436

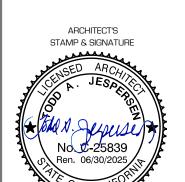
20RTABLE CLASSROOMS, CA 93436



ALL BOXES & CONDUITS SHALL BE PAINTED

KRUGER BENSEN ZIEMER ARCHITECTS, INC. AIA 30 W. ARRELLAGA STREET SANTA BARBARA CA 93101 TELEPHONE (805) 963-1726 FAX (805) 963-2951 TODD A JESPERSEN, AIA PRINCIPAL-IN-CHARGE NHU HOANG

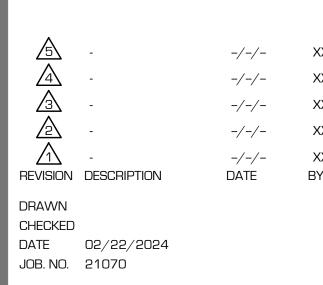
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ARCHITECTURAL ASSISTANT



CONSULTANT INFORMATION



SHEET **E501** 

SHEET ELECTRICAL TITLE DETAILS

APP: 03-123803 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

# American Modular Systems

# 30 X 32 RELOCATABLE CLASSROOM

TEST AND INSPECTION LIST

TESTING LABORATO OF GENERAL SERVICES DISTRICT/OWNER: STRUCTURAL APPLICATION NO. INSPECTIONS STRUCTURAL ENGINEER COLE YEE SCHUBERT & ASSOCIATES SSS 103-1 (R 11/85) RETE GUNITE GROUT MORTAR COMPACTED FILL Fill reteriot acceptance tests est of socrepates for my design only Conpection control continuous establish tests of appreciates as detailed below Congection tests only as ordered Bearing capacity of corpected fill Continuous batch plant inspection REINFORCING STEEL Sample and test ber steel Sangle and test nesh Impect placing at Job Pick up serples at job Samples delivered to laboratory STRUCTURAL STEEL Sample and test as detailed below Shop fabrics tion inspection SUITABILITY TESTS CONCRETE GUNITE HORTAR Field erection inspection Inspection of selds - Shop repretion of selds - Field Structural strength Inspection of riveting or bolting - Shop Los Angeles estiler inspection of reveting or builting - field Cley Olydroneter nethod Sample and test high strength bolts and mestion Rescurty tests BRICK AND BLOCK Sample and test Test only
Inspection of placing COMPRESSIVE STRENGTH PSL HINIMUN Core drill sangles GLUED LAMINATED STRUCTURAL LUMBER Sample and test steel accessories Inspect febrication of stafet accessories TESTING MAY BE WAIVED IF STEEL HAS BEEN PROPERLY C10X15.3 IDENTIFIED BY MFR'S MILL ANALYSIS AND CEST REPORTS 6 "X14 GA JOISTS" 12 GA. LEE JOISTS Other Tests and Inspections, together with special instructions:

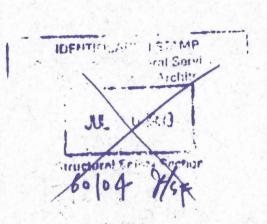
AUTHORIZED REPRESENTATIVE

# INDEX SHEET No. DESCRIPTION

TS-1	TITLE & BUILDING DATA NOTES
N-1	GENERAL NOTES
1	FLOOR PLAN & NOTES
2	EXTERIOR ELEVATIONS
3	CEILING GRID, DETAILS & NOTES
S1	FOUNDATION PLAN, DETAILS & NOTES
SS	FLOOR FRAMING PLAN & BUILDING SECTIONS
23	ROOF FRAMING PLAN & DETAILS
S4	FRAMING ELEVATIONS & DETAILS
25	FRAMING ELEVATIONS & DETAILS
S6R	RAMP PLAN, ELEVATION & DETAILS
MI	MECHANICAL PLAN, DETAILS & NOTES
E1	ELECTRICAL PLAN, DETAILS & NOTES

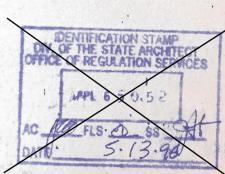
# BUILDING DATA CLASSROOMS

E-2 OCCUPANCY V - NON-RATED TYPE OF CONSTRUCTION WIND LOAD (80 MPH EXPOSURE C) 22.6 LBS/SQ FT FLOOR LIVE LOAD 20 LBS/SQ FT (REDUCIBLE) ROOF LIVE LOAD 100 LBS/SQ FT RAMP LIVE LOAD 960 SQ FT BUILDING AREA FIRE MARSHAL- CALIFORNIA BUILDING CODE (CCR) STRUCTURAL - CALIFORNIA CODE OF REGULATIONS TITLES 24 PART 1,2,19, 5, 20, & 25 MODULES MOMENT-RESISTANT (3) 10'X32' MODULES SYSTEM



FOUNDATION

SEISMIC



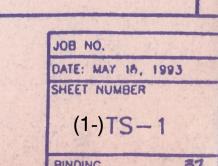
PRESSURE TREATED WOOD

CONCRETE ALTERNATE

ZONE 4







GENERAL NOTES AND SPECIFICATIONS

SECTION IA GENERAL REQUIREMENTS

1. GENERAL A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.

NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE

C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24 CALIFORNIA CODE OF REGULATIONS. NO CHANGES SHALL BE MADE FROM '.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.

SCOPE OF WORK THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.

ALL REQUIREMENTS OF TITLES 19 AND 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION

BY THE ARCHITECT OF RECORD. INSPECTION IN-PLANT DURING THE COURSE OF

CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIV: OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING, MECHANICAL, AND ELECTRICAL WORK, COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL

ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE OFFICE OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.

OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE OFFICE OF THE STATE ARCHITECT. ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT &

APPROVED BY D.S.A. CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.

THE TESTING LAB SHALL BE IN THE EMPLOY OF THE 8. ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS,

AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK. 9. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT

DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS

10. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES. 11. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER

SO STATED ON THE DRAWINGS.

MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS. 12. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO

13. THE MANUFACTURER OF BUILDING IS TO PLACE A PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME AND VISIBLE FROM THE EXTERIOR OF THE END OF THE MODULE. SEE "GENERAL DESIGN REQUIREMENTS", FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERVAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D S.A. APP. NUMBER.

14. ALL TESTS AND INSPECTIONS REQUIRED BY OSA SHALL BE COMPLIED WITH.

FOUNDATION

T. ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF. 2. FOOTINGS SHALL BE LOCATED ON UNDISTURBED FIRM NATURAL SOIL APPROVED COMPACTED FILL OR ON AN APPROVED PAVED

NOTE: THE FOUNDATION SYSTEM PRESENTED HEREIN COMPLIES WITH INTERPRETATION OF REGULATIONS, IR 23-6, ISSUED BY 'DIV OF THE STATE ARCHITECT FOR TEMPORARY BUILDINGS. THIS FOUNDATION SYSTEM IS NON-CONVENTIONAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.

WORK NOT INCLUDED

ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS

OTHERWISE INDICATED ON THE DRAWINGS. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV, TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS. OR MODIFIED BY CHANGE ORDER.

WHEELS AND HITCH SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

ACCESSIBILITY OF SITE THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES SHRUBS, FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

30 X 32

RELOCATABLE

CLASSROOMS

TRIM/ FINISH NAILING SET SIZE LENGTH FINISH DESCRIPTION .131 2 " GALV CASING, SILL & 169 INT. CORNER TRIN 2X FASCIA 1.131 3" GALV SOFFIT .131 2 GALV IX EXT. TRIM, .113 2" GALV WINDOWS, EXT. DOORS, EXT. TRIM

SECTION 6 WORKMANSHIP

GENERAL - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS, TITLE 24 OF CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS, A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.

WELDING - ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE OFFICE OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24, SECTION 2727(E) WELDING ELECTRODE SHALL BE E70XX.

1. STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36 & A-570 GR.36,

2. PIPE COLUMNS SHALL COMFORM TO A.S.T.M. A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05%.

3. STEEL TUBING SHALL CONFORM TO A.S.T.M. A-500 GRADE B OR A.S.T.M. A578 GRADE 50 FOR GAUGE TUBING-TYP. U.N.O. 4. STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS

UNLESS OTHERWISE NOTED. C. ERECTION - STRUCTURAL STEEL ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE

NAILS, BOLTS, SCREWS AND NUTS ETC .- FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED. 1. BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO A.S.T.M. A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR MACHINE AND CARRIAGE BOLTS THROUGH STEEL TO BE DRILLED, OR TORCH PILOT HOLE AND REAM MIN. 1/16" TO CORRECT SIZE.

NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER EXCEPT AT SIMPSON MTT288. HANDRAILS - FABRICATED, AS DETAILED, WELDS GROUND SMOOTH.

SHOP PAINT

EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.

ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS. G. TESTS

1. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER T-24 SECTION 2727(A).

SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND

SERVICES TO INSTALL CARPENTRY MATERIALS LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 16" OF WEST COAST LUMBER INSPECTION BUREAU, OR "GRADING RULES FOR

LUMBER, 3RD EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR W.C.L.I.B., PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-83 FOR SOFTWOOD PLYWOOD, OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH UBC STANDARD 25-9. EACH SHEET SHALL BEAR THE STAMP OF APA PITTSBURGH TESTING, OR TECO.

JOISTS, RAFTERS, PLATES-DOUGLAS FIR S45 /2 U.N.O. NOTE: MSR 1650 E1.6 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS. HEADERS, POSTS AND TIMBERS-DOUGLAS FIR S45 #1

BLOCKING - DOUG FIR #3,OR HEM FIR #3,OR STD. & BET.

SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE, MASONRY OR EARTH, DOUG FIR \$2 PRESSURE TREATED IN ACCORDANCE WITH UBC STANDARD 25-12. EACH PIECE SHALL BEAR AWPB STAMP. LP-22 GROUND CONTACT, LP-2 ABOVE GROUND.

PLYWOOD ROOF DECKING - APA C-D GRADE, GROUP 1 OR 2, EXPOSURE 1 WITH EXTERIOR GLUE. PLYWOOD FLOOR DECKING - APA STURD-I-FLOOR 2-4-1 OR UNI-FLOOR BY PITTSBURGH TESTING LAB. 1-1/8"NOM.

TONGUE AND GROOVE FLOOR SHEATHING, WITH EXTERIOR GLUE. EXTERIOR SIDING/SHEATHING - APA TYPE 303,EXTERIOR. MOISTURE BARRIER - KRAFT WATERPROOF BUILDING PAPER, OR

15 LB. FELT, UBC STANDARD 17-1 FOR KRAFT, 32-1 FOR FELT. STUDS - DOUG FIR #2. FASTENERS - ALL NAILS SHALL BE CORROSION RESISTANT PER

UBC STANDARD 25-17, ELECTROGALVANIZED COMMON NAILS U.N.O. BUILDING TRIM - 2X RESAWN SELECT D.F., H.F., OR CEDAR DOOR/WINDOW TRIM - 1X4 REWAWN D.F.,H.F.,OR

FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG C-90H1 FIRE STOPS SHALL CONFORM TO CBC 2516(1).

ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED. FOUNDATION LUMBER: ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".

WORKMANSHIP

FRAMING - SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLEED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES. NAILING - IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE

OF REGULATIONS, TABLE 25-0

EXTERIOR WALLS - FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS, SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.

MACHINE APPLIED NAILING: USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE OFFICE OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE.

MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HANNER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.

MOISTURE BARRIER - APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER. F. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SHEET METAL

1. SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.

A. SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZING COATING CONFORMING TO ASTM A526. MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE

DRAWINGS. SOLDER - OF STAND, GRADE "A" OF EQUAL PARTSARD BRAND LEAD AND TIN ASTM 832.

FLUX - ZING SATURATED MURIATIC ACID. GUTTERS: 26 GA. G-90 GALV. STEEL.

DOWNSPOUTS: 2"X3" CONVOLUTED 30 GA. G-90 GALV. STEEL. GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL. GUTTER CLIPS: 18 GA. G-90 GALV. STEEL

WORKMANSHIP SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.

SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING. TEST RESULTS SHOWING THE ROOFING SYSTEM WILL WITHSTAND THE UPLIFT OF A 80 MPH WIND SHALL BE SUBMITTED WITH THE PLANS AND SPECIFICATIONS.

MATERIALS ROOFING - 1-1/8 INCH STANDING SEAM 26-GAUGE G-90 GALV. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (G90).

INSTALL METAL ROOF ACCORDING TO MANUFACTURERS REQUIREMENTS.

EDGE FLASHING - 26 GAUGE GALVANIZED STEEL. 3. WORKMANSHIP BASE SHEET: APPLY TO ROOF DECK SHINGLE FASHION WITH 2-INCH OVERLAP SEAMS. STAPLE TO DECK AT 12" ON CENTER AROUND PERIMETER AND AT 12" ON CENTER THROUGH OVERLAP SEAMS.

BASE SHEET - 30 POUND ASPHALT COATED.

SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO SEAL BUILDINGS.

SEE SHEET 2 FOR MANUFACTURERS NOTES.

VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS. "GEOCEL" SILICONIZED CAULK, GE, DUPONT, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL.

SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE DUILDING WATERTIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

WALL FINISHES - FLAME SPREAD: 76-200 SMOKE DENSITY: L 450 INSULATION - FLAME SPREAD: 0-25 SMOKE DENSITY: LAGO LT DISFUSSERS - COMPLY W SEC. 2-5209 TZ4, CCR

SECTION 88 HOLLOW METAL DOORS AND FRAMES

SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES. 2. MATERIALS

A DOORS - TYPE L FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY, 18 GA. 1 " THICK PER CS242 MIN.REINFORCE FOR HARDWARE-BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.

FRAMES - 16 GA COLD ROLLED,2" FACES, CS242 MIN.3 ANCHORS PER JAMB + ADJUSTABLE FLOOR ANCHOR EACH JAMB REINFORCE FOR HARDWARE, PROVIDE STRIKE BOX, PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.

ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARDP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP, WAVE, BUCKLE OR OTHER DEFECTS AFTER FABRICATION, DOORS AND FRAMES CLEANED THOUROUGHLY, ALL. WELDS GROUND SMOOTH AND GIVEN PRIME COAT. SECTION 8D

SCOPE OF WORK CONTRACTOR SHALL SUPPLY AND INSTALL FINISH HARDWARE AS SPECIFIED AND AS REQUIRED.

2. SCHEDULE FOR EXTERIOR DOORS SEE NOTE ON FLOOR PLAN.

3. SPECIAL REQUIREMENTS A EXIT DOORS SHALL BE OPENABLE FROM THE INTERIOR WITHOUT KEY OR SPECIAL KNOWLEDGE OR EFFORT.

> CLOSER SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 8.5 LBS. PRESSURE.

SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.

2. MATERIALS FOR EXTERIOR WOOD: SHERWIN SINCLAIR KELLY REF.BRAND MOORE WILLIAMS EDWARDS 1240 Y24W20 289-N 42-9M PRIMER B54WZ102 1240-XXX GE2-NXX FINISH QD-60-XX B. FOR INTERIOR TRIM KELLY SHERWIN SINCLAR REF. BRAND

MOORE WILLIAMS **FDWARDS** 40XX 1650-XXX A26W11 W45Q-XX C. FOR META SHERWIN REF. BRAND KELLY EDWARDS MOORE WILLIAMS 1710 850NZ6 PRIMER 43-4 1700-XXX B54WZ102 GE2-NXX 10-XX FINISH

WORKMANSHIP ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE

SPECIFIED OR EQUAL. EXTERIOR - WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX - APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OH SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY. INTERIOR TRIM - TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO

COATS OF SEMI-GLOSS LATEX OVER PRIMER. INTERIOR HARDWOOD CABINETS - TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.

OF ALKYD FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER. RAMP - ONE COAT OF FERROX NON-SKID SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE. ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-91G-98A-DATED JULY 1989. NO ALTERNATES WILL BE

METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS

ALLOWED. SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F SITE ASSEMBLY SCOPE OF WORK

HOENTIFICATION STAM?

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CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE. THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS. OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ASSEMBLY OF ELEMENTS

IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT, THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE

B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.

CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTION ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS

The think that

AIR CONDITIONING - UL LISTED 1. SCOPE OF WORK (SEE SHEET M-1 FOR HVAC SPEC. AND NOTES) CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM. EQUIPMENT

SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.

WORKMANSHIP UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 16A

SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.

MATERIALS ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRIC CODE AND NATIONAL FIRE PROTECTION ASSOCIATION

ELECTRIC METALLIC TUBING - COUPLING AND FLEX CONDUIT

GALVANIZED OR SHERARDIZED. EXTERIOR FLEX- GALV. STEEL W/ FACTORY APPLIED P.V.C. JACKET. PANELBOARDS - FLUSH MOUNTED.

CONDUCTORS - COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES \$12 TO \$6, TYPE THW FOR LARGER SIZES.MINIMUM SIZE-RECEPTACLES - AS NOTED. +12" A.F.F.

CLOCK RECEPTACLE - AS NOTED. SWITCHES - AS NOTED. +48" A.F.F. LIGHTING FIXTURES - AS NOTED ON THE DRAWINGS.

WORKMANSHIP MATERIALS AND EQUIPMENT INSTALLED IN A SECURE, NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS

FLASHED AND SEALED TO A WATERTIGHT CONDITION. BUILDING CONDUIT/WIRING FROM FACE OF BLDG TO SITE TERMINATION BY SITE CONTRACTOR. (FLEXIBLE CONDUIT S-BEND SEALTITE)

FILTERS COMPLY W ST. STD. 12-71-1

INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.

IN-PLANT INSPECTION. ON-SITE INSPECTION.

THE CONTRACTOR SHALL ALLOW UP TO THIRTY (30) DAYS FROM

THE DATE OF PLAN APPROVAL TO OBTAIN AN IN PLANT INSPECTOR THROUGH O.S.A.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE AGENCY ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE THE AGENCY ARCHITECT, OSA, AND THEIR DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE WHEN OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY OR FROM THE STORAGE FACILITY TO THE SITE THE INSPECTOR AND AGENCY ARCHITECT SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM SSS-6). A COPY OF THE INSPECTOR'S VERIFIED REPORT AND ARCHITECT'S PUNCH LIST SHALL ACCOMPANY EACH BUILDING TO STORAGE OR TO THE

COORDINATION OF WORK

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT, IF NECESSARY. THIS CONTACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO

DELIVERY OF AY MODULE. ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE. IN THE EVENT BUILDINGS ARE DELIVERED TO ANY SITE THAT IS NOT IN CONDITION TO RECEIVE BUILDINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS INCURRED INCLUDING, BUT NOT LIMITED TO, INSPECTOR'S TIME.

MATERIALS AND WORKMANSHIP ALL CONTRACTORS SHALL CERTIFY THAT NO BUILDING MATERIALS WHICH EXCEED STATE AN SAFE ASBESTOS LEVELS HAVE BEEN USED IN RELOCATABLE FACILITIES.

APP: 03-123803 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 05/29/2024 ALL WORKMEN SHALL BE SKILLED AND QUALIFIE WHICH THEY PERFORM. ALL MATERIALS USED, UNLESS

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE AGENCY ARCHITECT THAT SUCH IS THE CASE. CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE

OF ANY WORK, UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY

FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S

SPECIFIED. SHALL BE NEW AND OF THE TYPES AND GRADES

EXPERIENCE. WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS

REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY

GENERAL DESIGN REQUIREMENTS:

MATERIALS OR WORKMANSHIP.

(3) APPROXIMATELY 10' X 32' MODULES DESIGNED SO THAT TWO MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH AN IMPRINTED (STAMPED NOT ENGRAVED) METAL IDENTIFICATION TAG 5"X1 -1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

MANUFACTURER'S BUILDING NUMBER.

4. D.S.A. APPLICATION NUMBER.

DESIGN WIND LOAD DESIGN ROOF LIVE LOAD

EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATIONS IS ACCEPTABLE.) WHEN MODULES ARE ASSEMBLED JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF.

EACH IU' X 32' MODULE SHALL BE SUFFICIENTLY RIGID TO DE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE AGENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A MANNER TO JOIN FLUSH AND TIGHT WITH SAME MATERIAL IN ADJACENT MODULE SO THE MODULE MAY BE RELOCATED WITH MINIMUM CUTTING AND PATCHING.

EACH MODULE PLACED IN STORAGE FOR ANY LENGTH OF TIME (EITHER IN STORAGE YARD OR ON SITES) MUST BE CLOSED UP IN A SECURE AND WATERTIGHT MANNER PROTECTING THEM FROM ALL DAMAGE. MODULES MUST BE MAINTAINED IN THIS MANNER UNTIL STATE ACCEPTANCE OF INSTALLATION.

AT DISABLED ACCESS TOILETS, PROVIDE DISABLED ACCESS SIGNS + 5'-0' TO CENTER OF SIGN PER TITLE 24 511.1 (a) 6. (N.I.C.-BY SCHOOL DISTRICT/CHILDCARE FACILITY)

DIMENSIONS

THE BUILDINGS SHALL OCCUPY AN AREA OF 960 SQUARE FEET WITH A TOLERANCE OF MINUS 5 SQUARE FEET. THE BUILDINGS SHALL BE 30' X 32'. ALL BUILDINGS SHALL MEET THE SQUARE FOOTAGE REQUIREMENT. LINER DIMENSIONS SHALL BE VERTICAL TRIM FINISH LINE TO VERTICAL TRIM FINISH LINE.

FASCIA AND REQUIRED OVERHANGS ARE NOT INCLUDED IN THE CALCULATION OF THE SQUARE FOOTAGE THE BUILDING OCCUPIES. THE ENTRANCE WALL SHALL HAVE A 5' MINIMUM ROOF OVERHANG. THE REAR WALL SHALL HAVE A MINIMUM 2' OVERHANG. FULL LENGTH GUTTERS AND DOWNSPOUTS SHALL BE FURNISHED ON THE SIDES OF EACH OVERHANG AND EACH ROOF EDGE WHERE DRAINAGE OCCURS. THE INTERIOR HEIGHT, FLOOR TO CEILING SHALL BE 8'-6" MINIMUM THE MODULE SHALL BE CLEAR SPAN TYPE EXCEPT AS PROVIDED FOR IN THE BID SPECIFICATIONS NOTHING SHALL PROTRUDE MORE THAN 1" BELOW THE CEILING LEVEL.

> ITEMS NOTED AS N.I.C. (NOT IN CONTRACT) OR "BY OTHERS" IS THE RESPONSIBILITY OF THE SCHOOL DISTRICT DEPENDING ON THE AGGREEMENT WITH DISTRICT.

IN THE EVENT OF CONFLICT BETWEEN THESE SPECIFICATIONS AND THE DISTRICT BID SPECIFICATIONS, THE DISTRICT BID SPECIFICATIONS SHALL PREVAIL.

60104 111 26 1993

PROJECT No. DESCRIPTION

SHEET No. (1-)N-1

GENERAL NOTES

DRAWN BY: R.S. CHECKED BY: CHECKED BY: SERIAL NO.

11-23-92

NONE

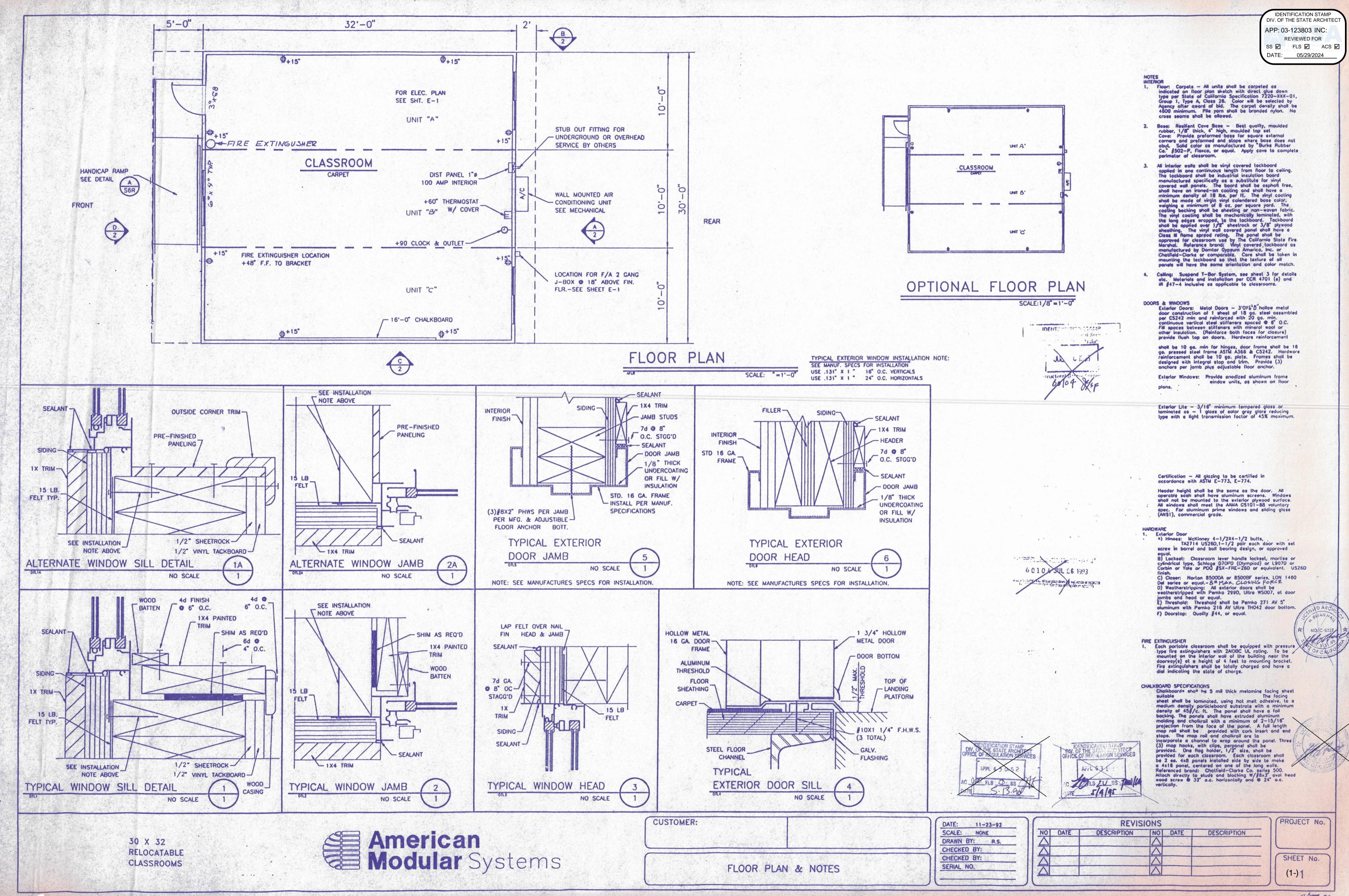
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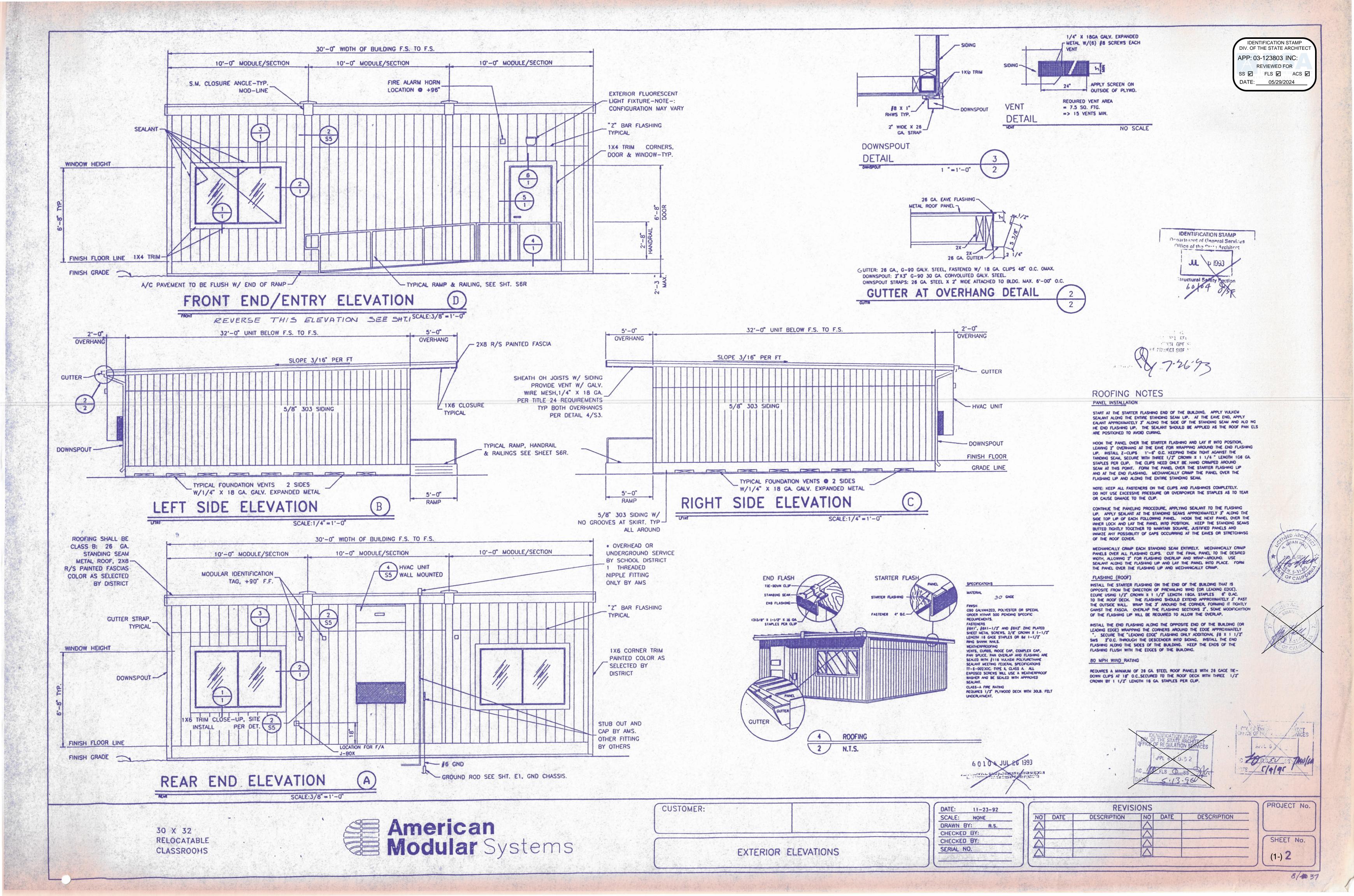
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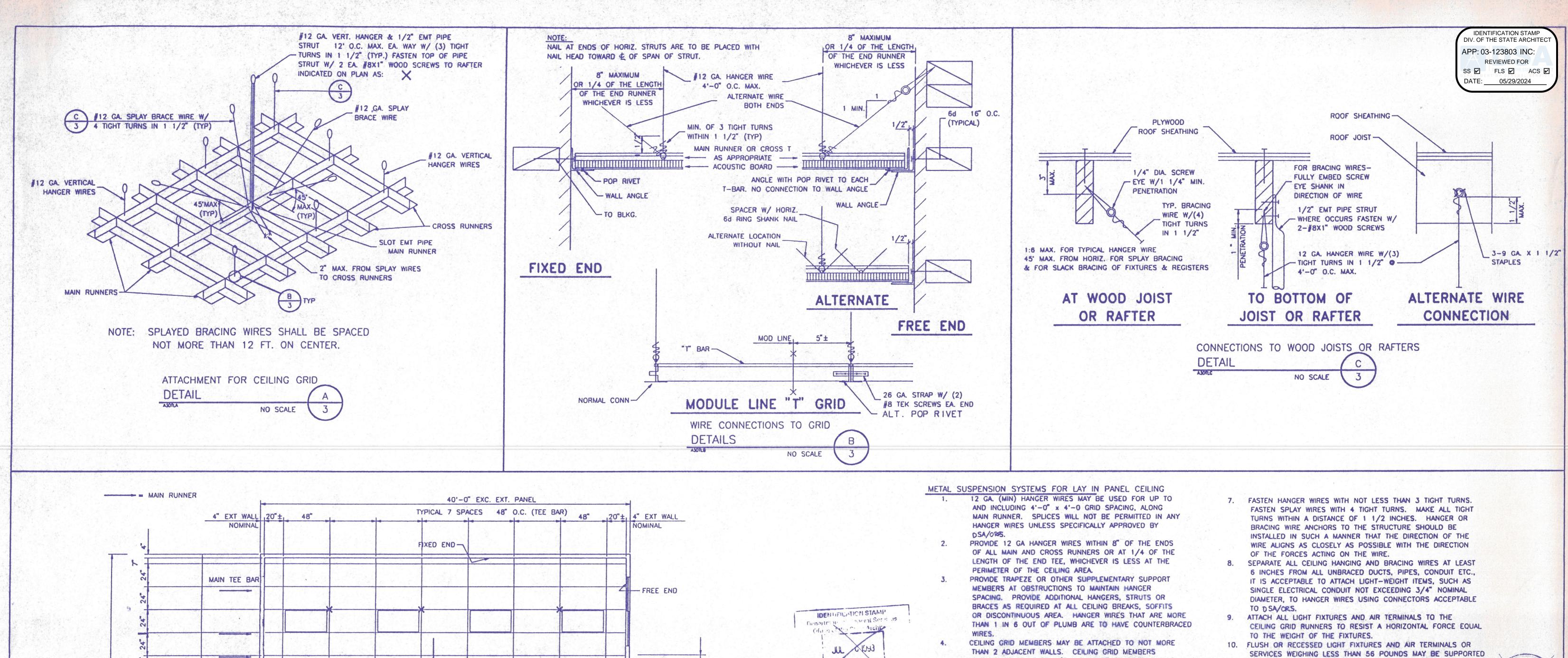
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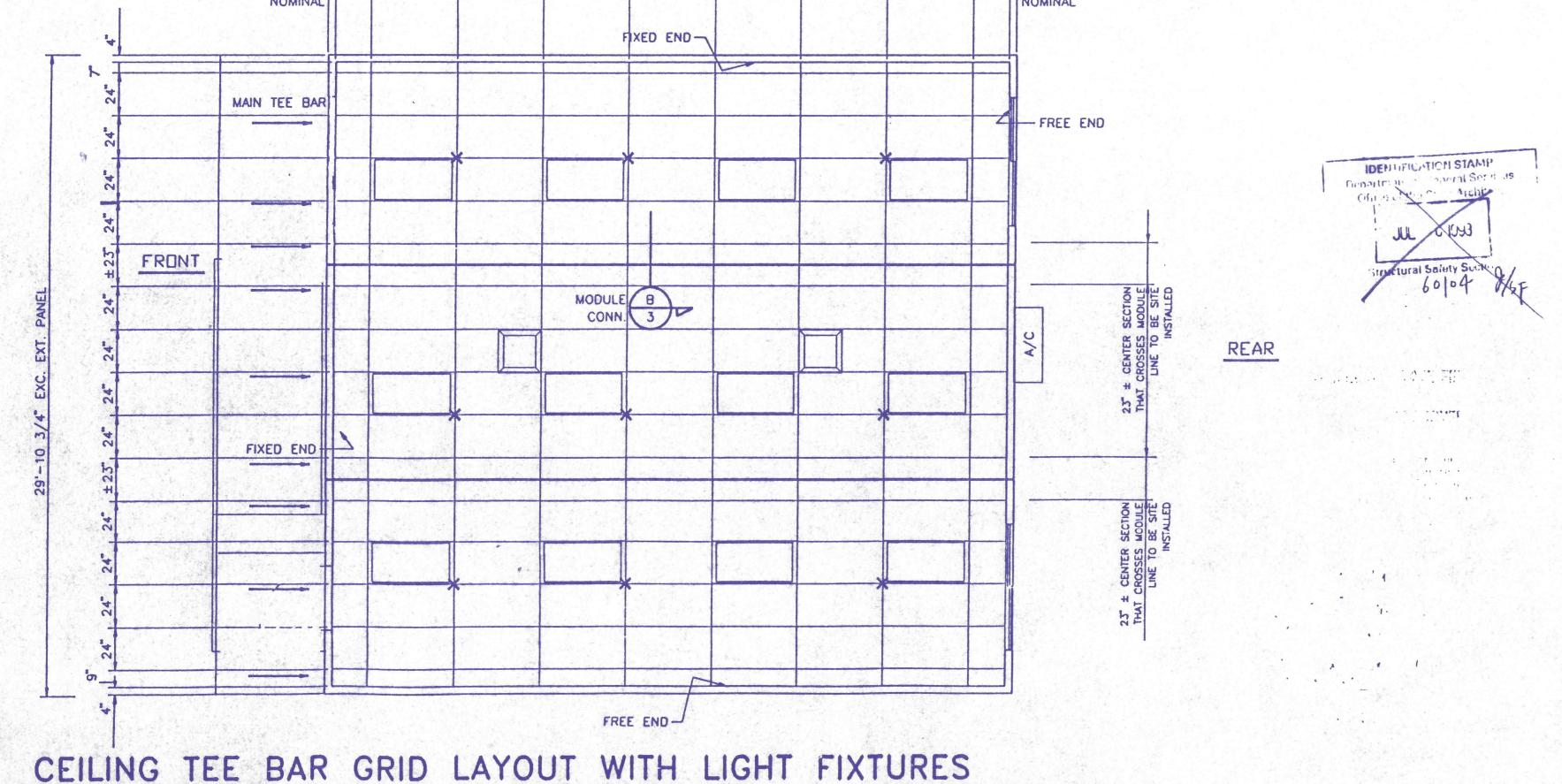
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American Modular Systems









4. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2 INCH FREE OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE AND A MINIMUM OF 1/2 INCH CLEAR OF WALL.

AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.

6. PROVIDE SETS OF 4-#12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:

(A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY
WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12
FEET ON CENTER.

B) PROVIDE SPLAY WIRES AT LOCATIONS NOT MORE THAN 1/2
THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT
THE EDGE OF VERTICAL CEILING OFFSETS FOR BOTH
SCHOOL AND HOSPITAL BUILDINGS.

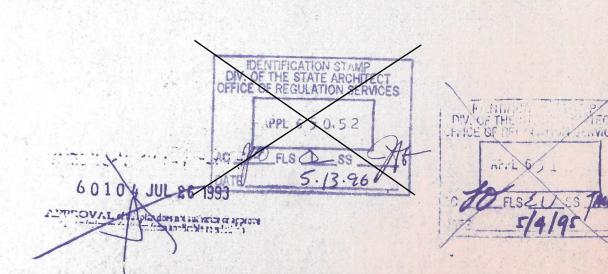
THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL D'SA/OR'S APPROVAL.

10. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORT DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF 2-#12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.

11. CLASSIFICATION OF CEILING GRID:

CLASSIFICATION OF CEILING GRID IS "HEAVY DUTY" CHICAGO
METALLIC, PER ASTM C635
MANUFACTURER'S CATALOG NUMBER - MAIN RUNNER HEAVY DUTY
MAIN TEE OR EQUAL #1870-OF 270-OI
MANUFACTURER'S CATALOG NUMBER - CROSS RUNNER CHICAGO
METALLIC 1871-01 CROSS TEES. 1252-OI OR 1254-OI
MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER
SPLICE N/A.

ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE ASTM FLAME SPREAD CLASS 1, 24" X 48" MODULAR SIZE, LIGHT REFLECTION 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450. FLAME SPREAD: 0-25,



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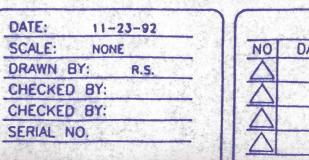
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CLASSROOMS

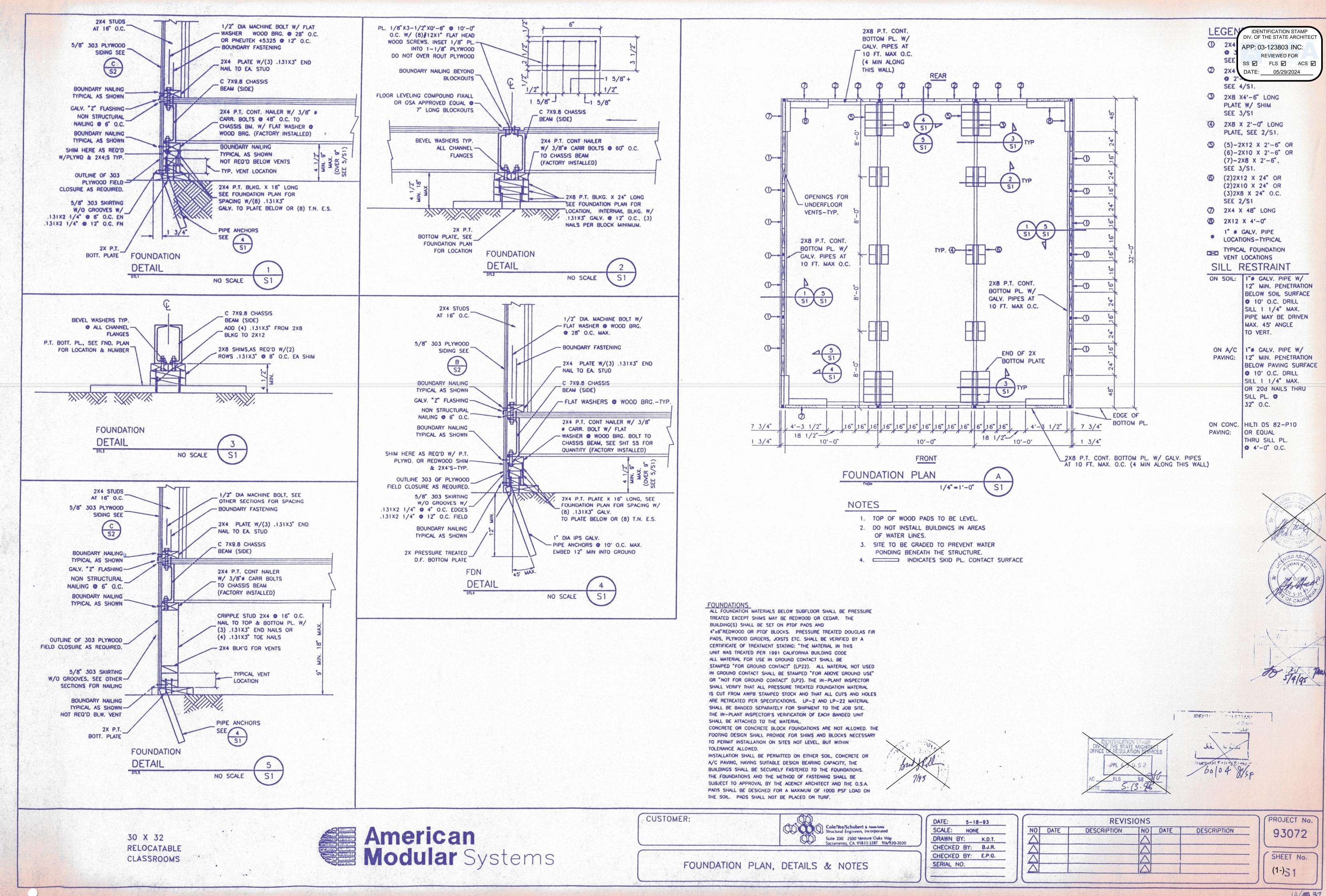


SCALE: 1/4" = 1'-0"

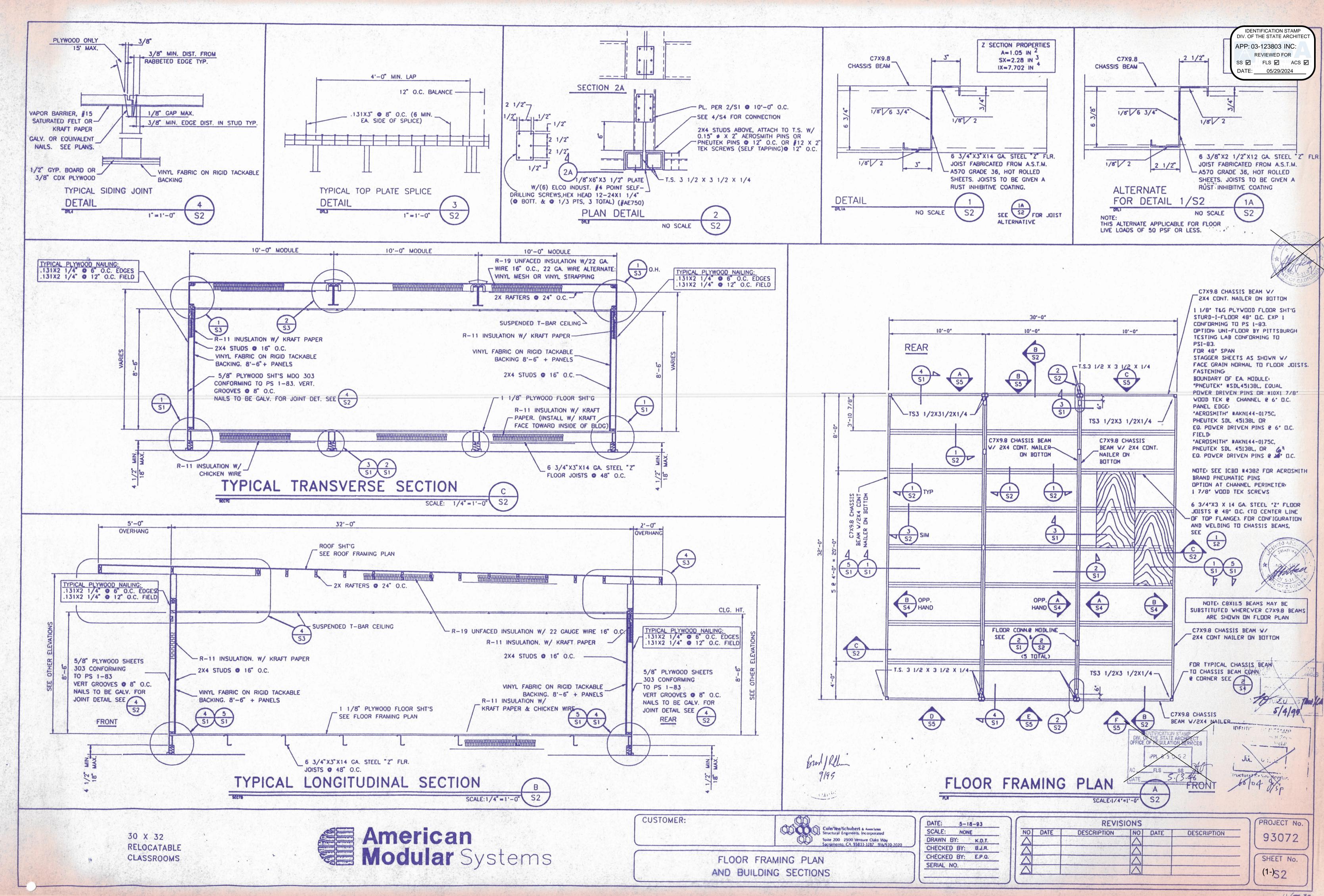
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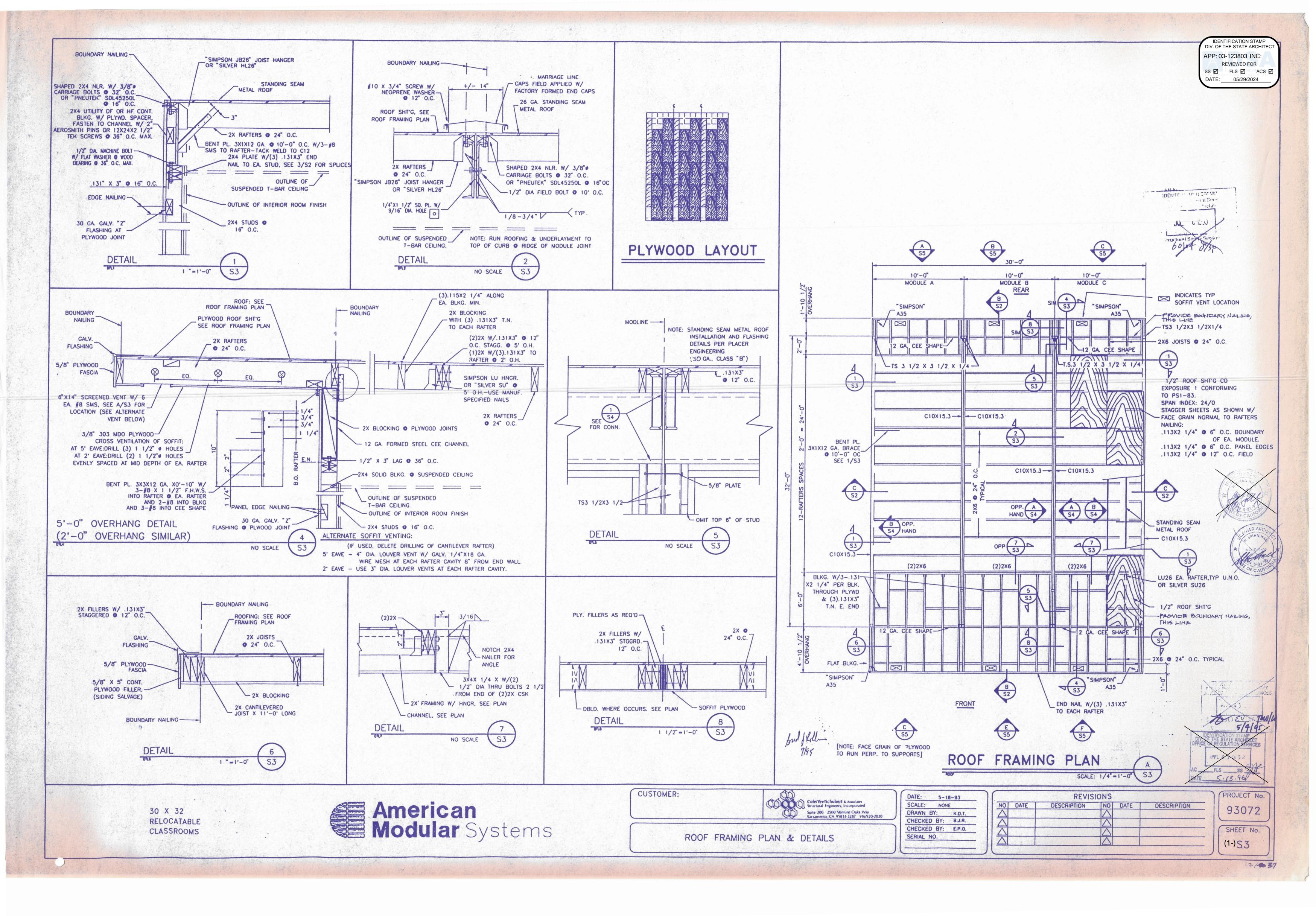


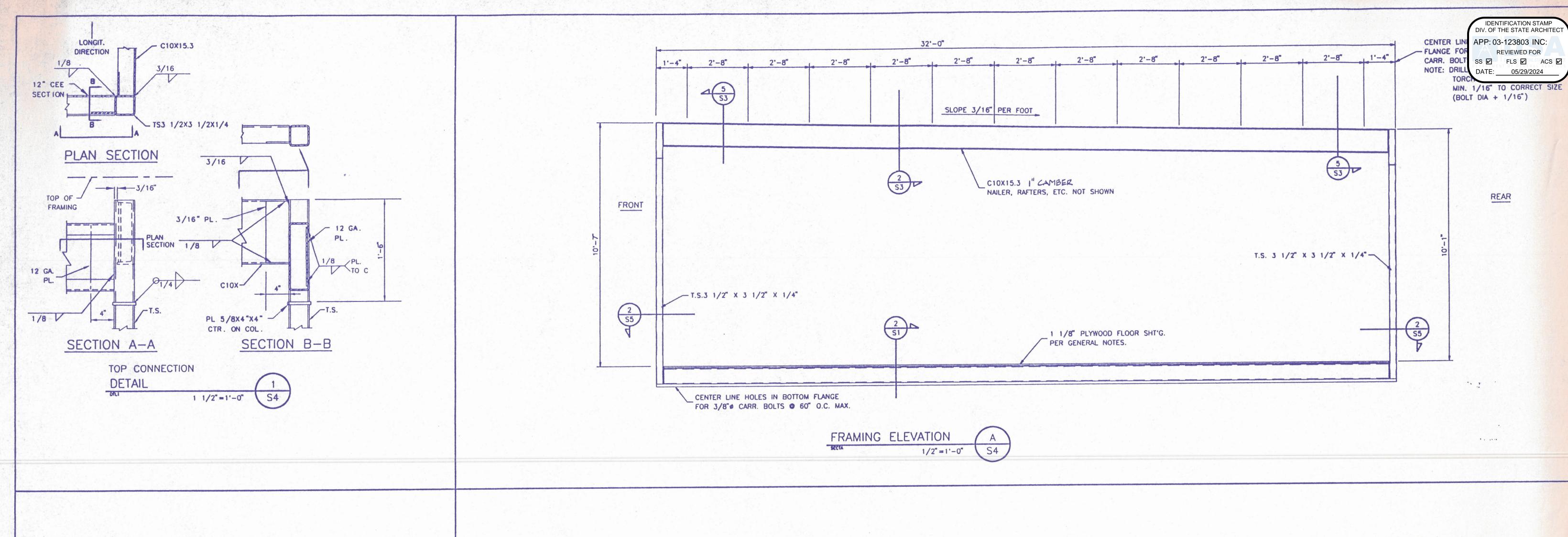


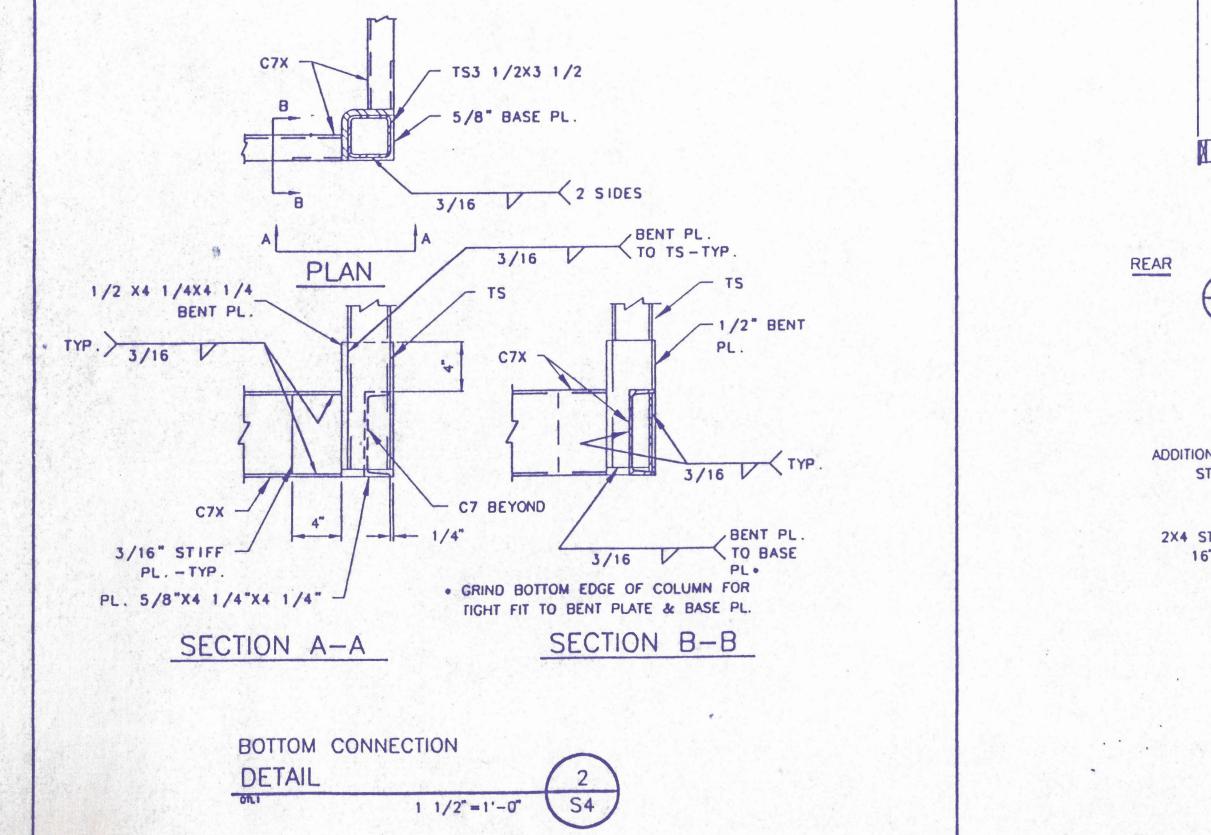
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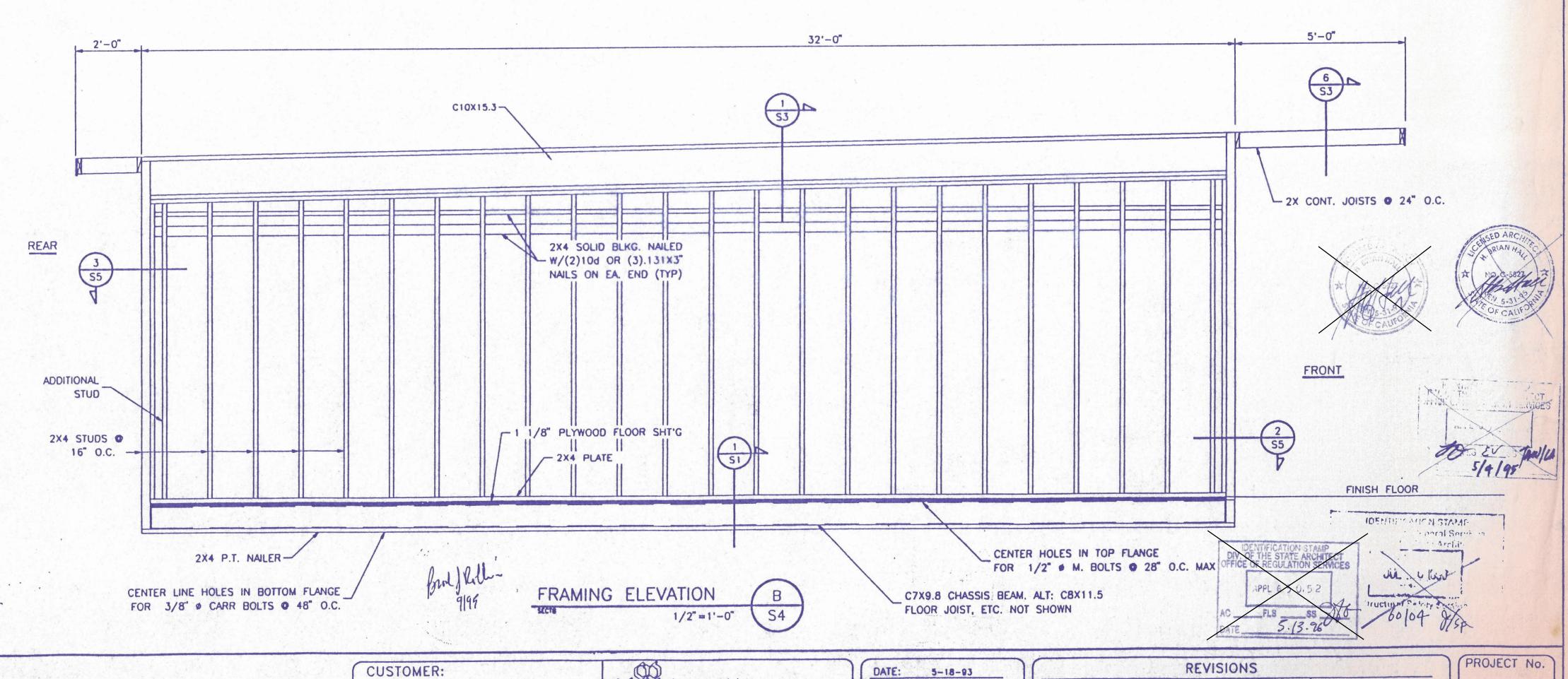


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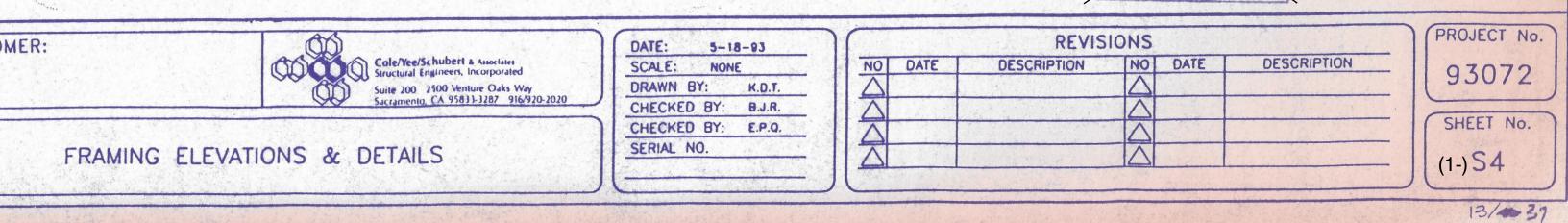


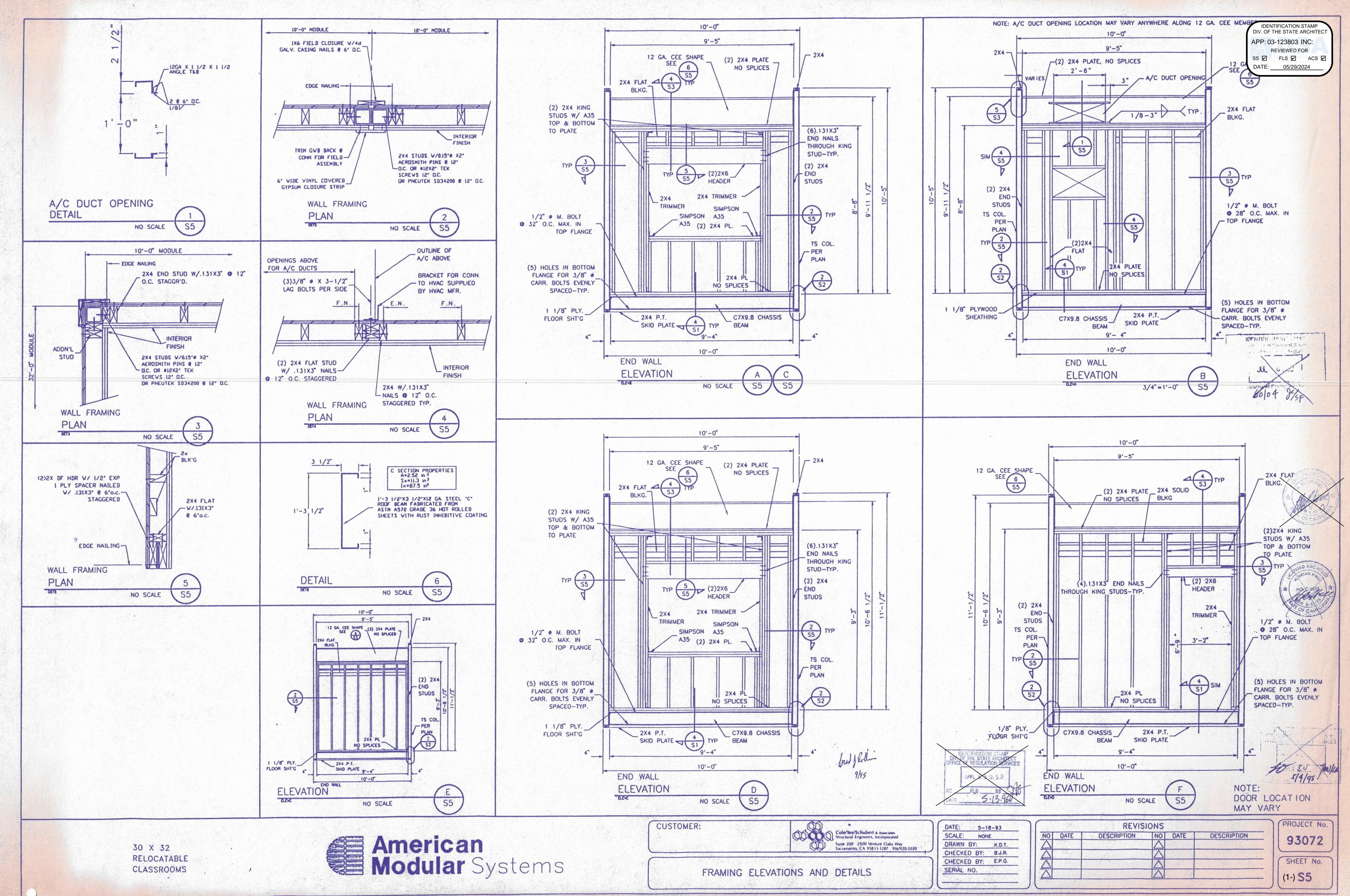


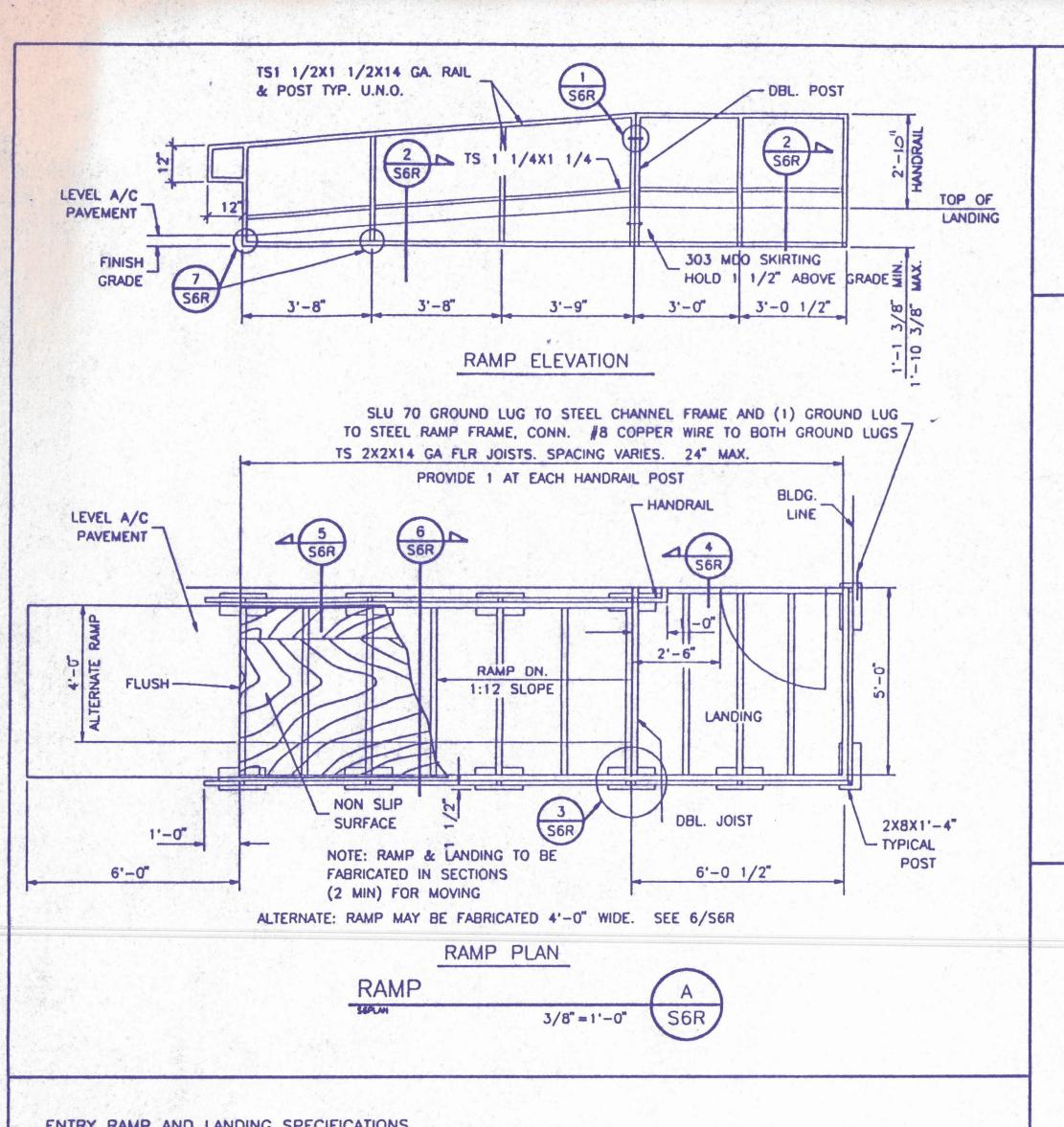


30 X 32 RELOCATABLE CLASSROOMS











EACH BUILDING SHALL HAVE A RAMP AND LANDING TO CONFORM TO TITLE 24 CCR SECTIONS 3306 AND 3307. THE RAMP AND LANDING STRUCTURES. INCLUDING HANDRAIL AND WHEEL GUIDES ARE TO BE PREFABRICATED METAL IN SECTIONS THAT ARE DEMOUNTABLE FOR MOVING AND REINSTALLATION AT A NEW SITE.

DESIGN SHALL BE SUCH THAT HEIGHT ADJUSTMENT CAN BE MADE AT THE INSTALLATION SITE. TUBING SHALL BE STEEL CONFORMING TO ASTM A5000 GRADE B. THE RAMP SURFACE SHALL BE " MARINE GRADE PLYWOOD.

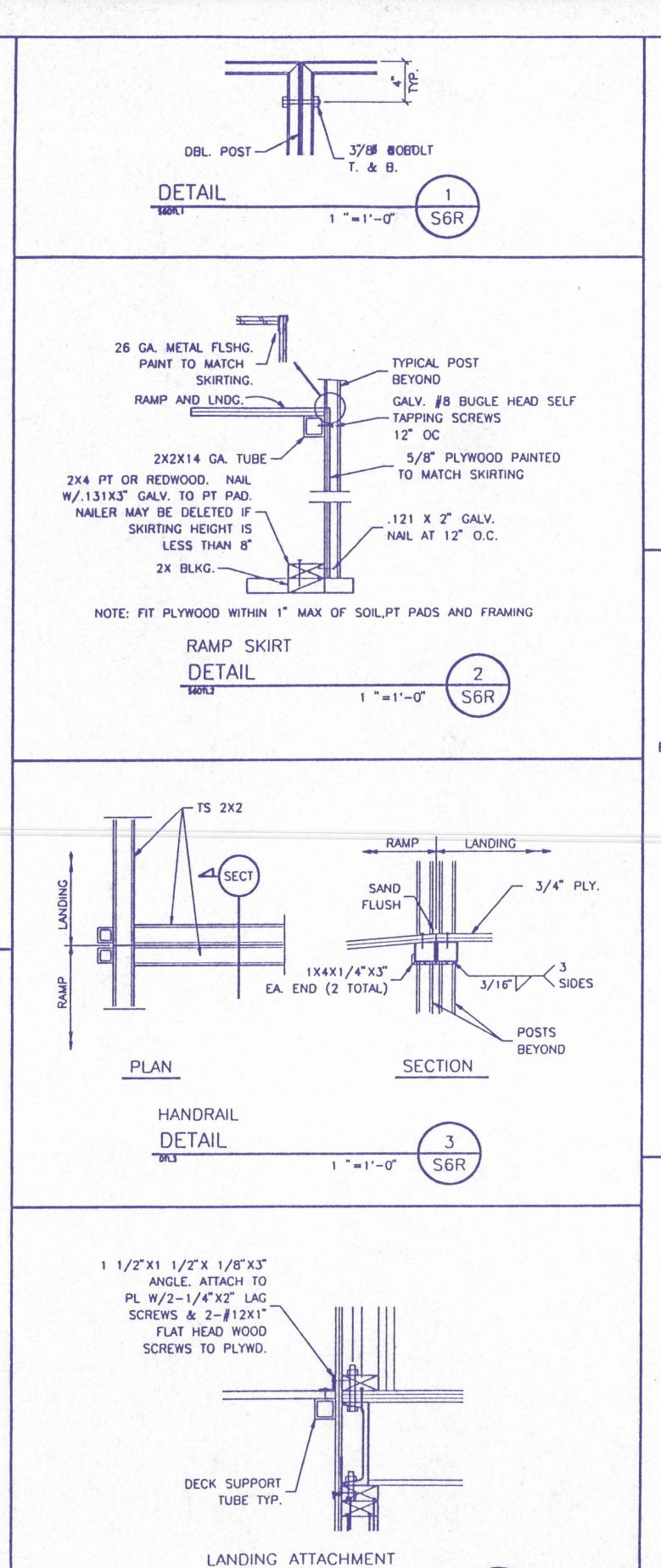
RAMP AND LANDING SHALL HAVE A NON-SKID SURFACE FINISH APPLIED. #NON-SKID FINISH SHALL BE AMCOE GRIP II MANUFACTURED BY AMERICAN OCHEMICAL CO. OR EQUIVALENT. ALL RAMP SURFACES SHALL BE PAINTED AS INDICATED IN SECTION 3.3.19. RAMPS SHALL HAVE HANDRAILS ON

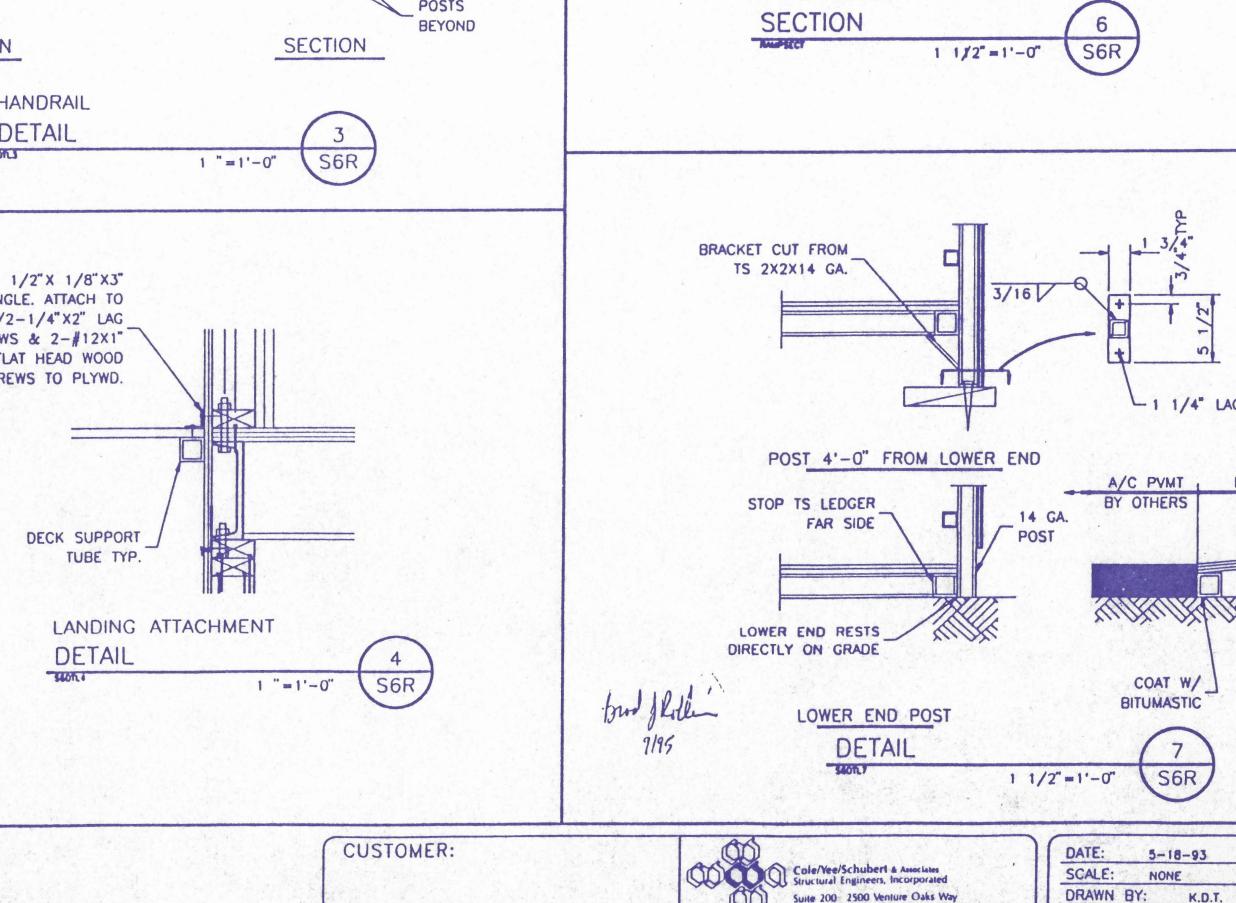
BOTH SIDES. WALL MOUNTED HANDRAILS SHALL BE OF SIMILAR CONSTRUCTIONN TO THE INTEGRAL RAMP HANDRAIL. RAMP AND LANDING SHALL BE FULLY SKIRTED WITH THE SAME MATERIAL USED FOR BUILDING SKIRT. SIDES OF RAMP AND LANDING THAT DO NOT ADJOIN BUILDING WALL SHALL BE SKIRTED. ALL EDGES OF THE PLYWOOD SKIRT SHALL BE SUPPORTED AND PROTECTED FROM WEATHER. FOUNDATION MEMBERS SHALL BE AS FOR BUILDING FOUNDATION. ONLY THE FOUNDATION PAD RESTING ON GRADE MAY EXTEND BEYOND THE OUTSIDE FACE OF THE

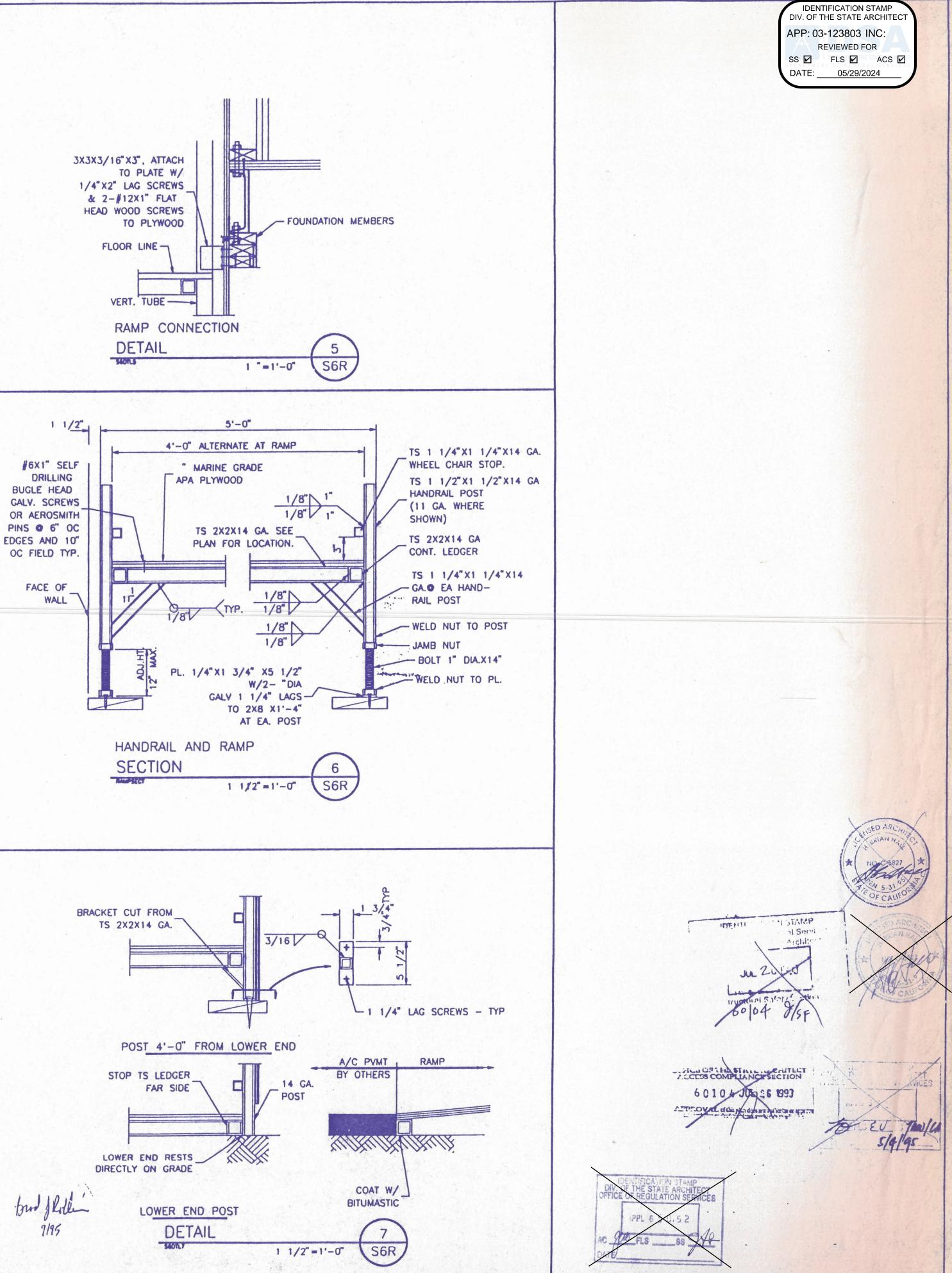
FLOOR DECKING: " MARINE EXT. APA 48/24 PLYWOOD W/ NON-SKID SURFACE. (SEE ALTERNATE) DECK SURFACES SHALL BE SEALED ON ALL SIDES. FASTENED TO STEEL FLOOR MEMBERS WITH #10-24 X 1 1/4" LONG PLY-METAL TYPE SCREWS 12" O.C. ALT. FLOOR DECKING: 1. 11 GA SHEET METAL WITH NON-SKID SURFACE.

SKIRT 1" MAXIMUM

GROUNDING OF BUILDING COMPONENTS: CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NECCESSARY CONNECTORS TO GROUND THE METAL PORTIONS OF THE BUILDING (I.E. FRAME, RAMP, ETC.) GROUNDING ROD, WIRES AND TESTING SHALL BE PROVIDED BY OTHERS AND MEET THE REQUIREMENTS OF I.R. #8-1 ISSUED BY DSA. USE #8 CU WIRE







30 X 32 RELOCATABLE CLASSROOMS



Suite 200 2500 Venture Oaks Way

CHECKED BY: B.J.R. CHECKED BY: E.P.Q. RAMP PLAN ELEVATION AND DETAILS SERIAL NO.

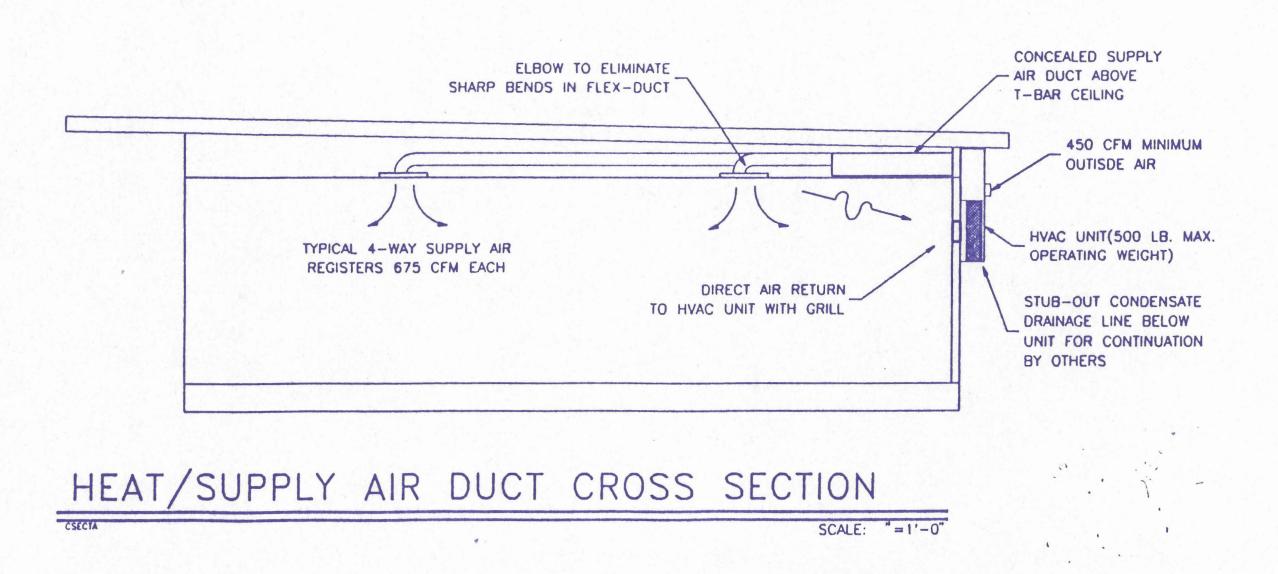
REVISIONS NO DATE NO DATE DESCRIPTION DESCRIPTION

PROJECT No. 93072 SHEET No. (1-)S6R

15/437

12" 775 CFM 775 CFM - THERMOSTAT

HEAT/SUPPLY AIR DUCT LAYOUT



DUCT SUPPORT Flex duct to be supported with 1-1/2" wide x 26

ga. galv. strap @ max 6'-0" o.c. Attach to rafter W/2 #8 SMS @ each end. Supply air plenum to be supported with 1-1/2" wide x 26 ga. galv. straps min. 2 per plenum. Supply air box and diffusers to be supported with (2) 12 ga. hanger wires to box @ opposite corners. Supply air box and diffusers to be braced with (2) 12 ga. slack wires to box @ opposite corners. Attach supply air diffusers to ceiling grid to resist a lateral load equal to the weight of the diffuser and supply air box W/2 #8 SMS.

THESE DRAWINGS COMPLY WITH THE ENERGY CONSERVATION REQUIREMENTS OF TITLE 24 OF THE STATE OF CALIFORNIA



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Office of the Architect

DIV. OF THE STATE ARCHITEC APP: 03-123803 INC: REVIEWED FOR

IDENTIFICATION STAMI

GENERAL NOTES SS FLS ACS HEATING VENTILATING AND AIR CONDITIONING (HVAI DATE: 05/29/2024 1. Heat Pump: Single package wall mounted electric heat pump unit shall be rated in accordance

with ARI Standard 240-77.

WAG 408- A54C Reference Bronds: BARD WH12-A10VXXXXB-INTERTHERM PWYB = 042KB08E MARVAIR AVP 42 HPA-085

All units shall be 230/208 volt, 1 phase system, UL tested & approved or comparable and meet current energy standards. All units shall incorporate an exterior factory mounted thermostat to sense the outside ambient temperature and stage the electric heat controllers. The circuitry shall prohibit the supplemental electric heat strips from operating simultaneously with the heat pump compressor. The thermostat shall be factory preset at 25 degrees F. and adjusted to the thermal balance point of the structure to allow the heat strips to operate only below that setting. If the outdoor temperature is above this point the heat pump shall operate and the electric heat strips shall be locked

A.) The system shall maintain an automatically controlled indoor classroom temperature of 78 degrees F. When the outdoor dry bulb temperature varies between 100 degrees F. in the summer

B.) The system must maintain the above temperature when the damper is adjusted to use approximately one third fresh oir. Duckwork.

A.) Construct all ductwork of galvanized sheet metal in accordance with U.M.C., Ashrae Guide Equipment volume and Smacna Low Velocity Duct Construction manual latest editions. All ductwork shall be insulated with 1" thick fiberglass duct wrop with vapor barrier. Provide 1" duct attenuation at all ductwork within 8'0" of HVAC unit.

B.) Non-metallic ductwork option: In accessible concealed portions of duct system rigid 1" fiberglass or insulated flex-duct with vapor barrier may be substituted for sheet metal ductwork. All ductwork within 5' of the HVAC unit and all interface connections shall be metal. Ductwork and reinforcement shall be designed for 2" static pressure. Reference Brands: Owens—Corning fiberglass ducttboard, 1" thick, and "Manville" Micro—aire, TYPE 475. Non-metallic ductwork shall conform to NFPA 90-A and SMACNA Class 1 rating.

3. Air duct insulation and linings shall comply with flame spread less than or equal to 25, smoke generation less than or equal to 50.

Supply air diffusers shall be 675 CFM max. 15"x15" neck, steel, rigid 1" fiberglass or flexduct ductwork specifically designed to provide air thermal cooling systems. 24"x8"x1" "Johns Manville", Micro-Aire type #475 Owens-Corning, Knauf, Certainteed, or equal and 90-B: UL #131 test, class 1 rating with "SMACNA".

Registers and diffusers: Provide three (Min) 4—way throw air diffusers as manufactured Carnes, Titus, Hart and Cooley, Metalaire, Shoemaker, Barber-Coleman or Krueger commercial grade grills and registers Air conditioning controls.

Thermostat: Provide electronic programmable thermostat. Thermostat shall have the following functions.

A.) 5 and 2 weekday/weekend programming with 4 separate time/temperature setting for 24-hour period. Key board lockout switch.

Programmable display. 2-hour override minimum. Status Indicated Led's.

Battery back-up. Provide locking clear thermostat cover with thermostat cover with access hole for program override. White Rodgers IF92.

7. Thermal insulation

Roof Insulation: R-19 Unfaced. Walls Insulation: R-11 Kraft Faced. Floors Insulation: R-11 Kraft Faced. Flame spread and smoke development shall conform to

California Building Code sec. 1714 (C). Factory-made air ducts. Factory-made air ducts shall be approved for the use intended or shall conform to the requirements of U.M.C. Standard No. 10-1. Each portion of a factory-made air duct system shall be identified by the manufacturer with a label or other suitable identification indicating compliancewith U.M.C. Standard No. 10-1 and its class designation. These ducts shall be listed and shall be installed i accordance with the terms of their listing.

30 X 32

RELOCATABLE

CLASSROOMS



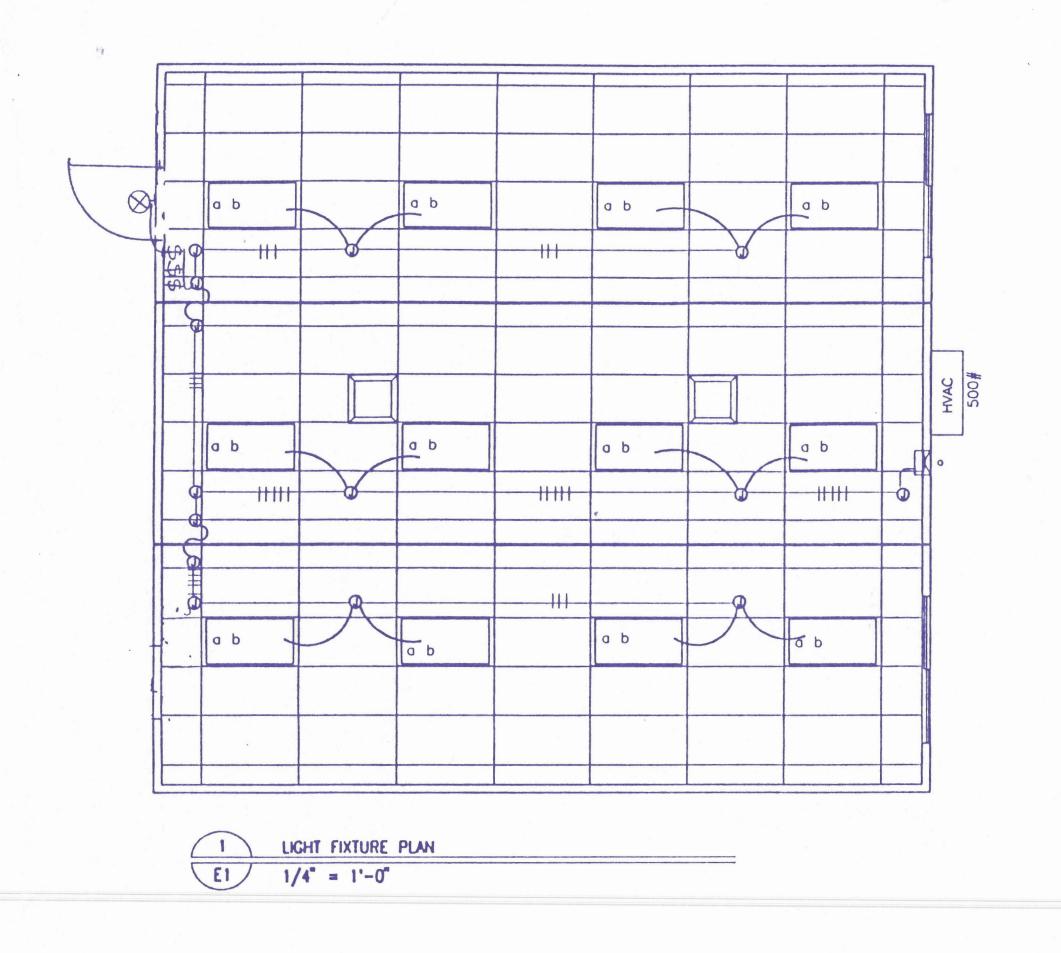
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	FLOOR PLAN & NOTES	SERIAL NO.

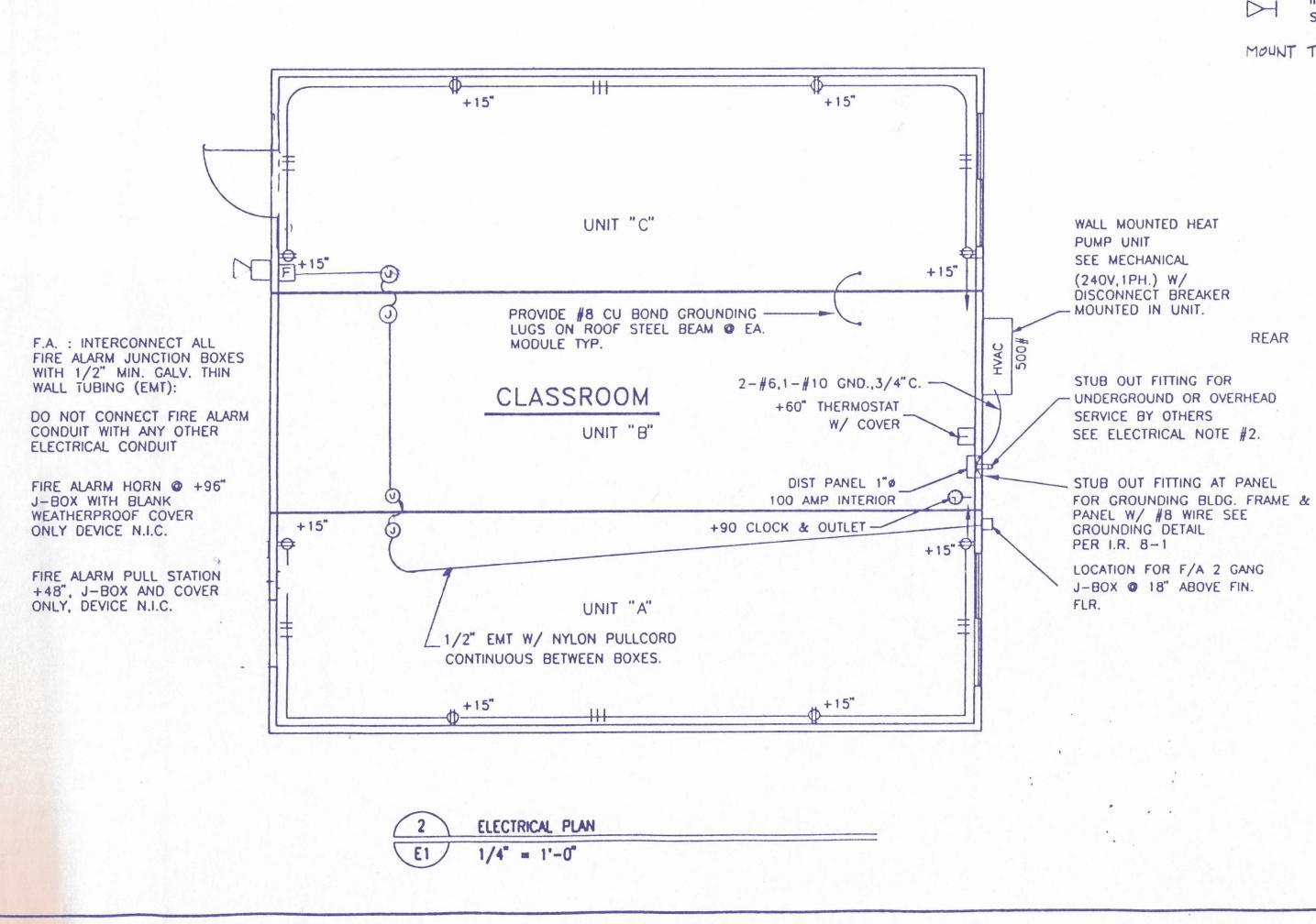
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PROJECT No.

SHEET No.

(1-)





#### STANDARD ELECTRICAL SYMBOLS

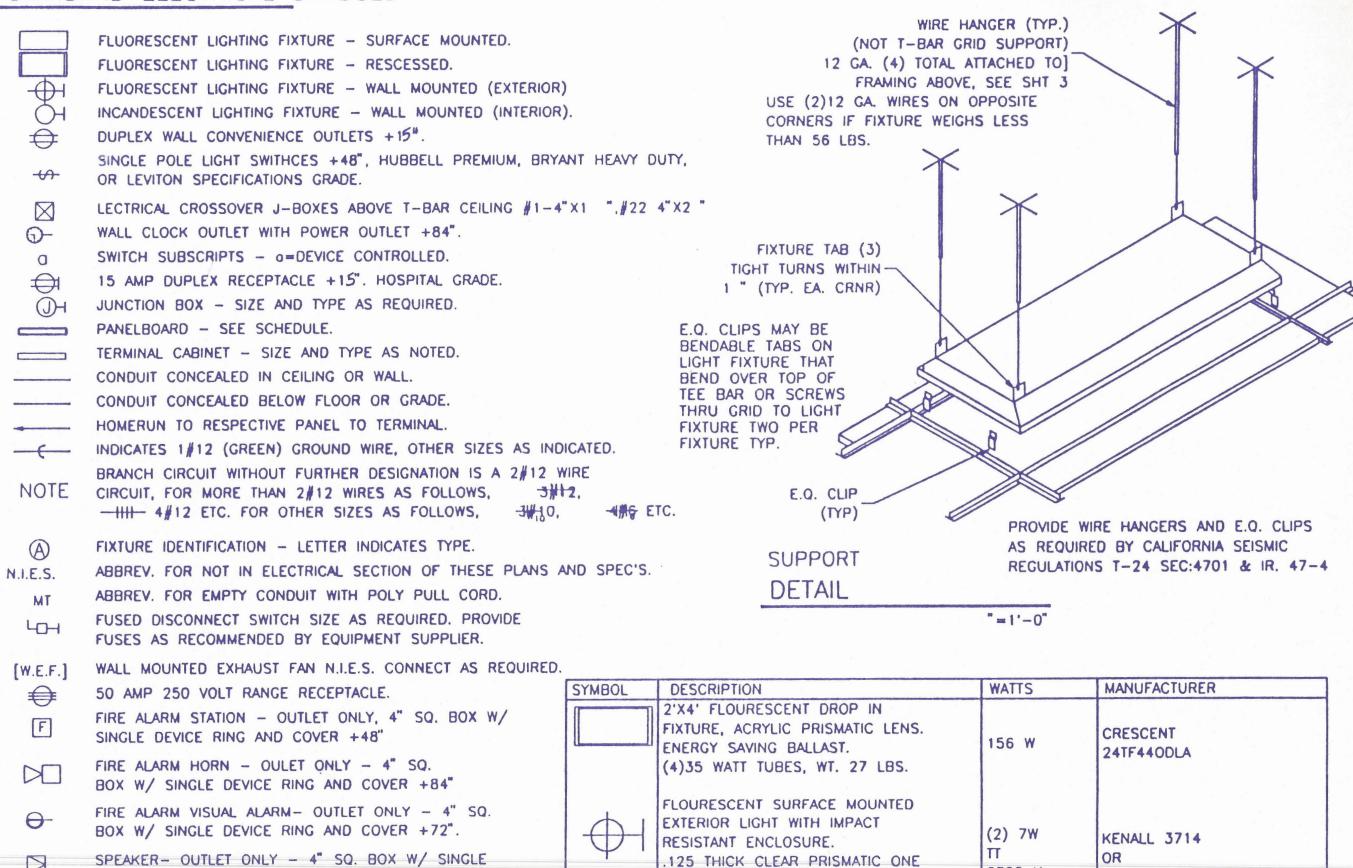
DEVICE RING AND COVER +84"

MOUNT THERMOSTAT @ + 48

REAR

SINGLE DEVICE RING AND COVER +48"

INTERCOM TELEPHONE- OUTLET ONLY- 4" SQ. BOX W/



SEE TYPICAL CLASSROOM LAYOUT FOR LOCATIONS OF ALL DEVICES. FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.

FIRE ALARM

PIECE LENS W/ NEOPRENE GASKET

& "POSIGRIP" STAINLESS STEEL

INCANDESCENT WALL MOUNTED

SCREWS.

ELECTRICAL PANEL --RELOCATABLE MANUF SHALL PROVIDE STUB ONLY ALL ITEMS BEYOND BY OTHERS PANEL BONDED -TO GROUND CONDUCTOR RIGID CONDUIT W/ CONDUCTOR ATTACHED TO WALL W/2-HOLE STRAPS BY OTHERS -TEE CONDUIT FOR SEPARATE CONDUCTOR GROUND BONDED TO METAL BUILDING FRAME GROUND CLAMP METAL BUILDING FRAME --1/2" DIA. X 8' LONG COPPERCLAD GROUND ROD OR OTHER ELECTRODE AS SPECIFIED IN C.E.C. (CEC 250-83) BY OTHERS GROUND CLAMP BY OTHERS GROUND ROD BOX BY OTHERS Size of conductors shall comply W/CEC Table Bond separate conductors from ground rod to electrical panel & metal building from (CEC 250-81). In addition to the detail shown above, bond the

electrical ground to metal water pipe embedded @ least 10' into the soil if available (CEC 250-81 & 250-83). Electrical bond modules together W/#8 CU @ modline. By manufacturer. Check resistance to ground. If resistance exceeds 25 OHMS, install additional ground rods (CEC 250-84) as required. Grounding detail per I-R 8-1.

BUILDING GROUND DETAIL

CUSTOMER:

EI / N.T.S. FIRE ALARM SYSTEM 1. THE FIRE ALARM SYSTEM SHALL CONFORM

APP: 03-123803 INC: CALIFORNIA ELECTRICAL CODE, ARTICLE 2. INSTALLATION OF THE FIRE ALARM SYSTEM SS V FLS V HEST ACS V STARTED UNTIL DETALED PLANS AND SP DATE: 05/29/2024 INCLUDING CALIFORNIA STATE FIRE MARSH

REVIEWED FOR NUMBERS FOR EACH COMPONENT OF THE STSTEM

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APPROVED BY THE CALIFORNIA FIRE MARSHAL, OSA. 3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.

#### GENERAL NOTES

GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC 250-94 &

- ALLOW FOR 12' MOVEMENT IN ANY DIRECTION IF PAD
- FOUNDATION IS USED. PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
- PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

#### FIXTURE NOTES:

1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.

- 2. LUMINATES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA ADMINISTRATIVE CODE TITLE 24 2-5314 (B).
- 3. FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.

#### ELECTRICAL

1. Electrical service drop and connections supplied by others.

Manufacturer to provide stub-out from back of electrical panel through the exterior wall for receiving either underground or overhead service &

fitting for grounding cable. 3. Electrical panel board shall be recess mounted inside the building. Sized to accommodate all connected loads including spaces as shown. Overcurrent protective devices in the panel boards have adequate short circuit interrupting capacity. All buses including

bus shall be copper or aluminum. 4. 2x4 Flourescent fixtures shall be steel frame, lens shall be hinged and locked in place by two locking devices. The lens diffusers shall be KHS, Inc. #KSH-12, Carolite, Inc. #C-12 or Plaskolite, Inc. #PL21A. Minimum lens thickness shall be .125 inch.

5. Flourescent bollast shall be energy sover while maintaining full light output, class "P" equipped with thermal protectors, guaranteed against failure for (2) years and be replaced from inside the

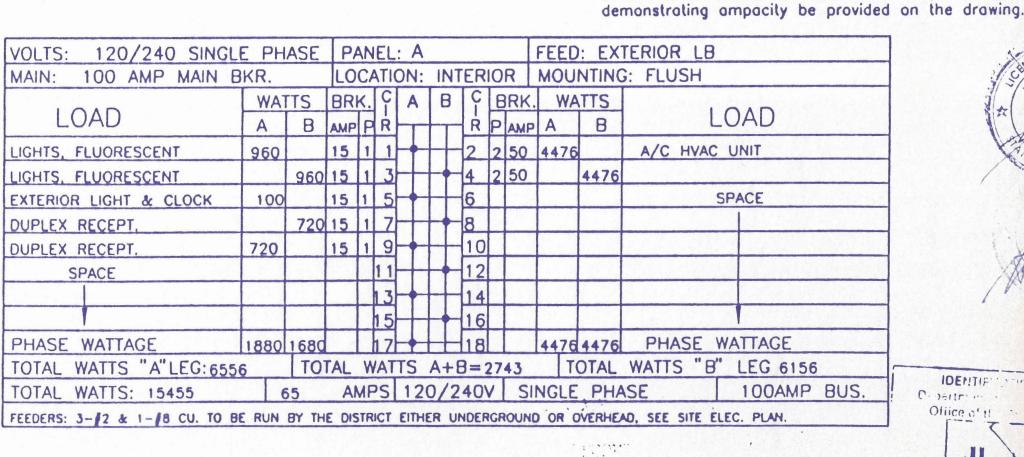
6. Clock - 12" dial clock on clock outlet.

A) Clock shall be General Electric model 2912 129V 60

B) Clock outlet shall be Bryant #2828 or equal with seperable hanging clip & app'd recept.

#### The H.V.A.C. unit feeder circuit - panel

circuit breaker, feeder wire, unit disconnect and fuses (where used) - is to be coordinated with the name plate data at the time ofmanufacture. H.V.A.C. units having KVA ratings larger than that indicated on this panel schedule will not be allowed to be installed on this building. If 60 degrees C. wire is to be used in this installation, calculations



LITHONIA 202 2/7PL LP

TIMELY 813CH

ELECTRICAL DISTRIBUTION PLAN 1/4" = 1'-0"

2700 K

150W

Junction boxes - Galvanized sheet metal, square or rectangular with blank covers. Locate one box at rear of building near main electrical panel at +18— above finish floor for future connection. Covers - Install gasketed, metal, waterproof, finish covers at exterior locations. Install finish covers at interior locations.

If testing results determine fire alarm audibility does not meet 10db over ambient noise levels, additional fire alarm signaling devices may be required by the enforcing anency per [CBC Sec. 7203 (b) ].

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30 X 32 RELOCATABLE

CLASSROOMS



PROJECT No. REVISIONS DATE: 11-23-92 DESCRIPTION NO DATE DESCRIPTION SCALE: NO DATE NONE DRAWN BY: R.S. CHECKED BY: CHECKED BY: SHEET No. FLOOR PLAN & NOTES SERIAL NO.

# BUILDING CODES AND STANDARDS

2001 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)

2001 CALIFORNIA BUILDING CODE VOLUMES 1, 2 AND 3 (PART 2 TITLE 24, CCR) (1997 EDITION UNIFORM BUILDING CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR) (1999 EDITION NATIONAL ELECTRICAL CODE WITH 2001 AMENDMENTS)

2001 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR) (2000 EDITION IAPMO UNIFORM MECHANICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR) (2000 EDITION IAMPO UNIFORM PLUMBING CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)

2001 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE (PART 7, TITLE 24, CCR)

2001 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)

2001 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

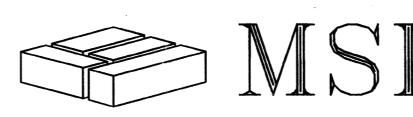
NFPA 13, 1999 EDITION, THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS, AS AMENDED

NFPA 14, 2000 EDITION, INSTALLATION OF STANDPIPE, PRIVATE HYDRANT AND HOSE SYSTEMS

NFPA 24, 1995 EDITION, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES

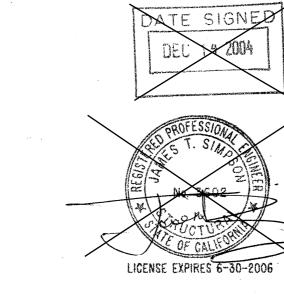
NFPA 72, 1999 EDITION, NATIONAL FIRE ALARM CODE, AS AMENDED

# MANUFACTURED RELOCATABLE MODULAR BUILDINGS 24' x40' thru 144' x40' PORTABLE DSA CLASSROOMS PC 4-104778



# MODULAR STRUCTURES INTERNATIONAL Inc.

920 CITRUS AVE. RIVERSIDE, CA. 92507 (909) 788-3035



DATE: 05/29/2024

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

REVIEWED FOR

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APP: 03-123803 INC:

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			DRAWING INDEX					A S.L.
		SHEET NO.	ARCHITECTURAL	SHEET NO.		_	SYENEC NOT NOT AF	A TINGUID
		CS	COVER SHEET, BLDG DATA, SHEET INDEX	S-60	DUAL SLOPE TRUSS & DETAILS 20 PSE ROOF (80 MPH WIND)		SONT FERWIN	PULI ORIG TY ORIG
		G-1	GENERAL NOTES & SPECIFICATIONS	<del>S 60.1</del>	SINCLE SLOPE TRUSS & DETAILS 20 PSF ROOF (80 MPH WIND)	_	AL OTH OTH OTH SHIN	ON ON OUR CHART
		G-2	CONSTRUCTION NOTES, BLDG. MATERIALS, DOOR, WINDOW & FINISH SCHEDULES	<del>S 70</del>	DUAL SLOPE TRUSS & DETAILS 30 PSF ROOF (80 MPH WIND)		M.S.I OR OR ANSI	N N N N N N N N N N N N N N N N N N N
		<del>G-3</del>	STANDARD ARCHITECTURAL PLUMBING DETAILS	<del>-S-70.1-</del>	SINCLE SLOPE TRUSS & DETAILS 30 PSF ROOF (80 MPH WIND)	_	E MA OF OF SCTL) TO OF F DRAY	2 5 5 5 5 5 5 5 5 5 5 5 7 5 7 7 7 7 7 7
	BUILDING DATA	<del>-C -1</del>	STANDARD ARCHITECTURAL DETAILS	<del>S 71</del>	DUAL SLOPE TRUSS & DETAILS 20 PSF ROOF (90 MPH WIND)		THI COF NDIRE PART OF	SENT WED SENT W
		A-1-24	24'x40' FLOOR PLAN, DUAL SLOPE EXTERIOR ELEVATIONS & ROOF PLAN	<del>S 71.1</del>	SINCLE SLOPE TRUSS & DETAILS 20 PSF ROOF (90 MPH WIND)		AND CRED, INC. INC. INC. INC. INC. INC. INC. INC.	CONSTAIN TAIN TAIN TAIN TAIN TAIN
OCCUPANCY:	E-1 <del>&amp; E-2</del>	<del>-A-1.1-24</del>	21'x10' FLOOR PLAN, SINGLE SLOPE EXTERIOR ELEVATIONS & ROOF PLAN		A CONTRACT OF THE CONTRACT OF THE PARTY OF T		MAK MAK MAK MAK MAK	T S S S S S S S S S S S S S S S S S S S
		<del>-A 1 36 -</del>	36'x40' FLOOR PLAN, DUAL SLOPE EXTERIOR ELEVATIONS			_	DRAV EPR( EPR( THE THE	ARTS WRITI WRITI INC INC INC INC
TYPE OF CONSTRUCTION:	V-NON RATED	<del>A-1.1-30</del>	JO'X40' FLOOR PLAN & SINGLE SLOPE EXTERIOR ELEVATIONS	R-1	RAMP FRAMING PLAN & DETAILS (4'-0" WIDE RAMP)		A A B C S C S C S C S C S C S C S C S C S C	MATEL M.S.I.
WIND LOAD:	80 M.P.H. EXPOSURE 'C'	<del>A 1 18</del>	48'x40' FLOOR PLAN, DUAL SLOPE EXTERIOR ELEVATIONS	<del>R-2</del>	RAMP FRAMING PLAN & DETAILS (DOUBLE LANDING)		F = M O = O L	042222
ODTIONAL WIND LOAD.	90 MPH EXPOSURE 'C' (ONLY FOR BLDC. SIZE 24'x40, 36'x40 & 48'x40)	A 1:1 48	48'x40' FLOOR PLAN & SINGLE SLOPE EXTERIOR ELEVATIONS	<del>R 3</del>	RAMP FRAMING PLAN & DETAILS (5' 0" WIDE RAMP)			
OF HONAL WIND LOAD:		<del>-                                    </del>	FLOOR PLANS FOR 60'x40' THRU 120'x40'					Annes de la company de la comp
FLOOR LIVE LOAD:	50 PSF, <del>50+20 PSF, 100 PSF &amp; 125 PSF LL</del>	<del>^</del> 1.4	FLOOR PLANS FOR 132'x60' & 144'x60'		FOUNDATION			
ROOF LIVE LOAD:	20 PSF	A-2-24	24'x40' INTERIOR ELEVATIONS	F-1	WOOD PAD FOUNDATION & DETAILS (50 PSF FLOOR, 20 & 30 PSF ROOF)	_	σŞ	
		A 2 36	36'X40' ROUF PLANS & INTERIOR ELEVATIONS		W/ PLYWOOD FLOOR (80 MPH WIND)	_	, P	1
-OPTIONAL ROOF LIVE LOAD:	30 PSF SNOW ( 90 MPH WIND LOAD NOT APPROVED FOR 30 PSF ROOF LOAD)	<del>A 2 18</del>	48'x40' ROOF PLANS & INTERIOR ELEVATIONS	<del></del>	WOOD PAD FOUNDATION & DETAILS (50+20 PSF FLOOR, 20 & 30-PSF ROOF)	_	O	
BUILDING AREA:	24'x40'=960 SQ. FT., <del>36'x40'=1,440 SQ. FT. 48'x40'=1,920 SQ. FT.</del>	A-3-24	24'x40' REFLECTED CEILING PLAN & DETAILS		-W/ PLYWOOD FLOOR (80 MPH WIND)	_	A A	
	60'x40'=2,400 SQ. FT., 72'x40'=2,880 SQ. FT. 84'x40'=3,360 SQ. FT.	A 3 36	36'x40' REFLECTED CEILING PLAN & DETAILS	<del>F 1.2</del>	WOOD PAD FOUNDATION & DETAILS (100 PSF FLOOR, 20 & 30 PSF ROOF)			1
	-96'x40'-3,840 SQ. FT., 108'x40'-4,320 SQ. FT. 120'x40'-4,800 SQ. FT.	A 3 48	TO A TO THE LEGIED GETEING TENT & DETITIES		W/ PLYWOOD FLOOR (80 MPH WIND)	-		
	-132 X10 -3,250 3Q. FI., 171 X10 -3,760 3Q. FI.	1/1 / 2/1	24'x40' MECHANICAL PLAN	<del>F 1.3</del>	WOOD PAD FOUNDATION & DETAILS (125 PSF FLOOR, 20 & 30 PSF ROOF)		<u>0</u>	They is the
		<del>M 1 36</del>	36'x40' MECHANICAL PLAN		W/ PLYWOOD FLOOR (80 MPH WIND)	ARCHITECT STAMP	. ≥	
STRUCTURAL DESIGN:	RIGID FRAME WITH CLEAR SPAN TRUSS	<del>M-1-48</del>	48'x40' MECHANICAL PLAN	F=1.4	WOOD PAD FOUNDATION & DETAILS (50 PSF FLOOR, 20 & 30 PSF ROOF)	Vote School States		一声
MODULES:	12'x40'	E-1-24	24'x40' ELECTRICAL LIGHTING/POWER PLAN & FIRE ALARM		W/ CONCRETE FLOOR (80 MPH WIND)		<u> </u>	minute N
MODOLLS.		E 1 36	36'x40' ELECTRICAL LIGHTING/POWER PLAN & FIRE ALARM	<del>F-1.5</del>	WOOD PAD FOUNDATION & DETAILS (50+20 PSF FLOOR, 20 & 30- PSF ROOF)	- Doel	- 0	l ü
ENERGY COMPLIANCE:	CLIMATE ZONE 1 THRU 16	E-1-48	18'x10' ELECTRICAL LICHTING PLAN		W/ CONCRETE FLOOR (80 MPH WIND)		<b>≥</b> 1	5
SEISMIC ZONE:	4	E 1.1 18	48'x40' ELECTRICAL POWER PLAN & FIRE ALARM	<del>-1.6</del>	WOOD PAD FOUNDATION & DETAILS (100 PSF FLOOR, 20 & 30 PSF ROOF)			1 9
		<del>-P 1 48</del>	48'x40' PLUMBING PLAN FOR OPTIONAL RESTROOMS		W/ CONCRETE FLOOR (80 MPH WIND)		≴	
SEISMIC NEAR SOURCE FACTOR	RS: Z=0.4, P=1.0, Ca=0.44xNa, Na=1.5 REDUCED TO 1.1 PER TITLE 24 SEC. 1629A.4.2			<del>- 1.7</del>	WOOD PAD FOUNDATION & DETAILS (125 PSF FLOOR, 20 & 30 PSF ROOF)	Security and the second of the	F 5	
	I=1.0, R=4.5, Cv=0.64xNv, Nv=2.0		STRUCTURAL		W/ CONCRETE FLOOR (80 MPH WIND)		ы Б	
NCTES:	•	<del>S</del> 1	CENERAL NOTES & SPECIFICATIONS	<del>-F -1</del> A	WOOD PAD FOUNDATION PLAN (50 PSF FLOOR, 20 & 30 PSF ROOF)		o Z	
THIS P.C. IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.		S-5	RIGID FRAME SECTIONS & DETAILS, DUAL SLOPE W/ LIGHT GA. SIDEWALL		W/ PLYWOOD FLOOR (90 MPH WIND)	CARGOTTE CONTROL CONTR	Ϋ́	
			BEAM W/ TRUSS @ MODLINE W/ PLYWOOD FLOOR (80 MPH WIND)	F-2A	WOOD PAD FOUNDATION PLAN (50+20 PSF FLOOR, 20 & 30 PSF ROOF)	STRUCTURAL ENGINEER STAMP	JOB #	
THIS P.C. IS NOT APPROVED FOR 'A' OCCUPANCY USES.			RIGID FRAME SECTIONS & DETAILS, SINGLE SLOPE W/ LIGHT CA. SIDEWALL		W/ PLYWOOD FLOOR (90 MPH WIND)	- Control of the cont	7 04-	1189
			BEAM W/ TRUSS @ MODLINE W/ PLYWOOD FLOOR (80 MPH WIND)	<del>F-3</del> A	WOOD PAD FOUNDATION PLAN (100 PSF FLOOR, 20 & 30 PSF ROOF)		DATE 12-	-13-04
A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE			RIGID FRAME SECTIONS & DETAILS, DUAL SLOPE W/ LICHT CA. SIDEWALL		W/ PLYWOOD FLOOR (90 MPH WIND)			
A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECT. 4–342, PART 1, TITLE 24, CCR.			BEAM W/ TRUSS @ MODLINE W/ CONCRETE FLOOR (80 MPH WIND)	<del>- F - 4A</del>	WOOD PAD FOUNDATION PLAN (125 PSF FLOOR, 20 & 30 PSF ROOF)	Process of the second s	DRAWN BY	JJP
			RICID FRAME SECTIONS & DETAILS, SINGLE SLOPE W/ HOT ROLLED SIDEWALL		W/ PLYWOOD FLOOR (90 MPH WIND)	OLY OF THE STATE ARCHITECT ORFISE OF REGULATION SERVICES	SCALE	
			BEAM & HOT ROLLED BEAM @ MODLINE W/ PLYWOOD FLOOR (80 MPH WIND)	<del>F-2</del>	CONCRETE FOUNDATION PLAN ABOVE GRADE W/ PLYWOOD FLOOR	Osmod or wedge with sevalors	AS I	NOTED
			RICIÓ FRAME SECTIONS & DETAILS, DUAL SLOPE W/ LICHT CA. SIDEWALL		(80 & 90 MPH WIND)	100243	APPROVED	Annual annual and Cookies white Survey As the Substitution General Cookies and Cookies General
· · · · · · · · · · · · · · · · · · ·			BEAM W/ TRUSS @ MODLINE W/ PLYWOOD FLOOR (90 MPH WIND)	F-2.1	CONCRETE FOUNDATION DETAILS ABOVE CRADE W/ PLYWOOD FLOOR	AC ALS UN SS		
REVISION SUMMARY LOG			RIGID FRAME SECTIONS & DETAILS, SINGLE SLOPE W/ LIGHT CA. SIDEWALL		(80 & 90 MPH WIND)		REVISIONS	
RE!	7131011 301MMAITT LOG		-DEAM W/ TRUSS @ MODLINE W/ PLYWOOD FLOOR (90 MPH WIND)	<del>-F-3</del>	CONCRETE FOUNDATION PLAN ABOVE GRADE W/ CONCRETE FLOOR	(S) Extens		
REVISION DATE	DESCRIPTION OF REVISION SHEET #	S-10	FLOOR FRAMING PLAN & DETAILS W/PLYWOOD FLOOR (80 & 90 MPH WIND)	,	(20 PSF ROOF, 80 MPH WIND)	STATE AGENCY STAMP		. Comments of the second secon
1. – –		<del>-S-10.1</del>	FLOOR FRAMING PLAN & DETAILS W/ CONCRETE FLOOR (80 & 90 MPH WIND)	<del>3.1</del>	CONCRETE FOUNDATION DETAILS ABOVE GRADE W/ CONCRETE FLOOR			
		<del>-S 10.2</del>	FLOOR FRAMING PLAN & DETAILS W/ HITCH & AXLE (80 & 90 MPH WIND)	_	(20 PSF ROOF, 80 MPH WIND)			35 accessoring annimals Assessed designation review
		S-20	EXTERIOR WALL FRAMING ELEVATIONS (WOOD STUDS, 80 MPH WIND)	<del></del>	CONCRETE FOUNDATION PLAN FLUSH W/ CRADE W/ PLYWOOD FLOOR	_		AND THE PERSON NAMED OF TH
		S 21	EXTERIOR WALL FRAMING ELEVATIONS (STEEL STUDS, 80 & 90 MPH WIND)		(80 & 90 MPH WIND)	PC		Andrew Communication and Commu
		<del>S 25</del>	STEEL STUD WALL FRAMING DETAILS (80 & 90 MPH WIND)	<del>[-4.1</del>	CONCRETE FOUNDATION DETAILS FLUSH W/CRADE W/ PLYWOOD FLOOR		a process marriage ; tackers to process management	(1)
		<del>S 30</del>	WOOD STUD WALL FRAMING DETAILS (80 MPH WIND)		(80 & 90 MPH WIND)	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES		
		<del>S 10</del>	ROOF FRAMING PLAN W/WOOD DECK (80 & 90 MPH WIND)	1 <del>-F-5</del>	CONCRETE FOUNDATION PLAN FLUSH W/ GRADE W/ CONGRETE FLOOR	-    \		
		<del>S 41</del>	ROOF FRAMING PLAN W/22 CA. ROOF (80 & 90 MPH WIND)		(20 PSF ROOF, 80 MPH WIND)	4-104778	SHEE	TINH
		<del>S-50</del>	ROOF FRAMING DETAILS W/ WOOD DECK (80 & 90 MPH WIND)	<del>F-5.1</del>	CONCRETE FOUNDATION DETAILS FLUSH W/ GRADE W/ CONCRETE FLOOR	DATE: 5-3003	-Chi	co
		S-51	ROOF FRAMING DETAILS W/ 22 GAUGE ROOF (80 & 90 MPH WIND)		(20 PSF ROOF, 80 MPH WIND)	DATE: 5-3003 approved in Sacramo	to DSA	
						approved in Sacramo	"(2-)	

#### GENERAL SPECIFICATIONS

#### . GENERAL

- A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERA REQUIREMENTS APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH SECTION.
- 3. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS.
- ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLE 19, AND 24 CALIFORNIA CODE OF REGULATIONS. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE DISTRICT

#### SCOPE OF WORK

- A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT, AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDING AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.
- B. ALL REQUIREMENTS OF TITLE 19 AND 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS (C.C.R.) RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL
- . GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
- . INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION, WELDING MECHANICAL AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICT.
- ON SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY OF THE BUILDING INSTALLATION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
- OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.

- A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
- B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS, WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS. C. FIRE ALARM SYSTEM, FIRE EXTINGUISHER, PROGRAM BELL, CLOCK, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

#### . WHEELS AND HITCH

SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF THE BUILDING. REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS, ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL

#### 5. GENERAL CONSTRUCTION

- A. STRUCTURAL FRAME EACH MODULE SHALL BE DESIGNED AS A MOMENT FRAME STRUCTURE TO WITHSTAND VERTICAL AND HORIZONTAL LOADS AND COMPLY WITH REQUIREMENTS OF THE DIVISION OF THE STATE ARCHITECT. THE NECESSARY PROVISIONS ARE INCORPORATED IN THE STRUCTURE TO PERMIT THE RELOCATION OF THE STRUCTURAL FRAME IN SECTIONS NOT EXCEEDING 12 FEET IN WIDTH.
- B. FLOOR THE FLOOR SHALL BE STEEL FRAMED WITH A DESIGN LIVE LOAD OF 50 lbs. PER SQUARE FOOT UNLESS OTHERWISE NOTED ON THE DRAWINGS.

#### . SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR AND AS SPECIFIED AND INDICATED ON THE DRAWINGS, SERVICES REQUIRED FOR STRUCTURAL AND MISCELLANEOUS STEEL.

- A. STRUCTURAL STEEL SHAPES- ASTM A-36, OPEN HEARTH OR ELECTRIC FURNACE ONLY, ALL REGULAR SHAPES AS DESCRIBED IN AISC CONSTRUCTION MANUAL, UNLESS OTHERWISE NOTED.
- B. COLD FORMED LIGHT GAUGE STEEL- ASTM A-570 GRADE 33, MINIMUM YIELD 33,000 PSI.
- C. STRUCTURAL PIPE ASTM A-53 MIN. YIELD OF 35,000 PSI. STRUCTURAL TUBING - ASTM A-500 MIN. YIELD OF 46.000 PSI.
- D. BOLT MATERIAL- BOLTS AND NUTS, AMERICAN STANDARD REGULAR, AS DETAILED IN AISC CONSTRUCTION MANUAL. FABRICATED FROM STRUCTURAL QUALITY STEEL, ASTM A-307
- ARC-WELDING ELECTRODES CLASS E-70 SERIES FOR WELDING
  A-36 STEEL TO A-36 AND E-60 SERIES FOR WELDING A-570 STEEL
  TO A-36, CONFORMING TO REQUIREMENTS OF THE "STRUCTURAL" WELDING CODE" OF AMERICAN WELDING SOCIETY, LATEST EDITION.
- F. ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE—RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINUMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT LBS. AT MINUS 20 DEGREES F, AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION.

- A. GENERAL ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS, TITLES 21 AND 24 OF THE CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF LIGHT GAUGE STEEL STRUCTURAL
- B. WELDING- ALL WELDING DONE BY SHIELDING ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE DIVISION OF THE STATE ARCHITECT.
- C. ERECTION— STRUCTURAL STEEL ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDING AS INDICATED ON THE DRAWINGS.
- D. NAILS, BOLTS, SCREWS, NUTS, ETC .- FOR EXTERIOR WORK SHALL BE CADIUM PLATED OR GALVANIZED.
- E. HANDRAILS- FABRICATED AS DETAILED, WELDS GROUND SMOOTH.
- EXPOSED STEEL COATED WITH ONE COAT SHOP COAT.
- NON-EXPOSED STEEL COATED WITH ONE COAT SHOP COAT 3. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS
- PRIOR TO APPLICATION OF SHOPS COAT
- G. TESTS- PROVIDE MILL CERTIFICATES OR TEST ALL MEMBERS WELDS SHALL BE INSPECTED AND/OR TESTED PER T-24 SECTION 2231A.5

#### SECTION 6A CARPENTRY

- 1. SCOPE OF WORK
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY. 2. MATERIALS
- LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 16" OF WEST COAST LUMBER INSPECTION BUREAU GRADING RULES FOR WESTERN LUMBER, 3rd EDITION" OF WESTERN WOOD PRODUCTS ASSOCIATION. PLYWOOD GRADE MARKED IN ACCORDANCE WITH "PRODUCT STANDARD PS 1-95 FOR SOFTWOOD" OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH UBC STANDARD 25-9.
- A. HEADERS- HEM FIR STUD GRADE OR BETTER. B. PLATES- HEM FIR STUD GRADE OR BETTER.
- BLOCKING- HEM FIR STUD GRADE OR BETTER SILLS AND LUMBER IN CONTACT WITH CONCRETE, MASONRY OR EARTH-HEMLOCK FIR PRESSURE TREATED WITH WOLMAN SALTS, TANALITH U OR CHROMATE COPPER ARSENIC; GRADE - 2x4; NO. 2 GRADE - 2x6, CUT ENDS
- DIPPED IN PRESERVATIVE (CUPONAL). PLYWOOD ROOF DECKING- APA C-D GRADE, GROUP 1, EXPOSURE 1 WITH EXTERIOR GLUE. ON OVERHANGS, C-C PLUGGED AND TOUCH

- F. PLYWOOD FLOOR DECKING- APA STURD-I-FLOOR 48" O.C. 1-1/8"
- TONGUE AND GROOVE FLOOR SHEATHING. G. EXTERIOR SIDING/SHEATHING— APA TYPE 303, EXTERIOR, M.D.O. 8" O.C., SIDING. SHEATHING 1/2" CDX.
- . STUDS AND POSTS- HEM FIR STUD GRADE I. FASTENERS- ALL NAILS SHALL BE CORROSION RESISTANT PER
- UBC STANDARD 2304A.4. BUILDING TRIM- 1x RESAWN SELECT H.F. OR MASONITE. K. DOOR/WINDOW TRIM— 1x4 RESAWN H.F.

- A. FRAMING SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL, PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES
- B. NAILING- IN ACCORDANCE WITH TITLE 24 C.C.R.- TABLE 23-II-B-1 NAILS SHALL BE CORROSION RESISTANT BOX NAILS. C. EXTERIOR WALLS- FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALLS AND STRUCTURAL MEMBERS PROVIDING WEATHERPROOF AND WATERTIGHT SEAL. NECESSARY CLOSURES SEALS, FLASHING PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
- D. MACHINE APPLIED NAILING— SHALL HAVE PRIOR DEMONSTRATION AND APPROVAL BY DSA FIELD INSPECTOR AND THE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUES SATISFACTORY PERFORMANCE PLYWOOD SHALL HAVE A MINIMUM THICKNESS OF 3/8". IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED. THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY. . TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM
- RETIGHTEN ALL BOLTS BEFORE CLOSING IN G. THE DESIGN MOISTURE CONTENT OF LUMBER IS 19% OR LESS BEFORE FABRICATION, OTHER REVISION THRU CHANGE ORDER WILL

#### SECTION 7B SHEET METAL

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.
- A. SHEET METAL- STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A123. B. SOLDER- OF STANDARD BRAND, GRADE A OF EQUAL PARTS
- LEAD AND TIN ASTM B32. C. FLUX- ZINC SATURATED MURATIC ACID.
- WORKMANSHIP SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT.

#### SECTION 7J SEALANT

- 1. SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO SEAL THE BUILDINGS.
- "VULKEM" SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL OR APPROVED EQUAL, TO BE USED @ ALL STANDING
- SEAM ROOFING DETAILS. SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATERTIGHT. IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.

#### SECTION 8B HOLLOW METAL DOORS & FRAMES

- 1. SCOPE OF WORK CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS & FRAMES.
- A. DOORS- TYPE L FULL FLUSH INSULATED, MANUFACTURED BY 'STEELCRAFT' MANUFACTURING COMPANY OR APPROVED EQUAL, 18 GA. 1-3/4"

#### B. FRAMES- 16 GA. COLD ROLLED 2" FACES. SECTION 8D FINISH HARDWARE

#### 1. SCOPE OF WORK

- CONTRACTOR SHALL SUPPLY AND INSTALL HARDWARE AS SPECIFIED AND AS REQUIRED.
- 2. DOOR SCHEDULE- SEE SHEET G-2

- 3. SPECIAL REQUIREMENTS A. CLOSURE FOR EXTERIOR DOORS SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 5 LBS.
- B. DEADBOLTS ARE NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT USING LEVER HANDLE. C. HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" ABOVE
- D. ALL EXIT DOORS SHALL BE OPEN ABLE FROM INSIDE WITHOUT ANY EFFORT, SPECIAL TOOL, OR KNOWLEDGE.

#### SECTION 9E PAINTING

#### 1. SCOPE OF WORK

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDINGS, ALL EXPOSED SURFACES OF BUILDING AND RAMP SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS.
- A. EXTERIOR WOOD- VISTA BRAND 4100 PRIMER, 6000 FINISH. (OR EQUAL) B. INTERIOR TRIM- VISTA BRAND 7000 FINISH. (OR EQUAL) C. METAL- VISTA BRAND 7000 FINISH. (OR EQUAL)

#### 3. WORKMANSHIP

A. EXTERIOR- WOOD SIDING, TRIM AND SKIRTING- APPLY TWO COATS EXTERIOR FLAT ACRYLIC PAINT SPRAYED ON. 3. INTERIOR TRIM - TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMIGLOSS LATEX OVER PRIMER. C. METAL- ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYD FINISH COAT OVER SHOP COAT.

#### SECTION 13F SITE ASSEMBLY

D. RAMP- ONE COAT OF NON-SKID SURFACING.

- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE.
- THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.
- A. IN A LOCATION AS DETERMINED BY THE SCHOOL DISTRICT.
- THE CONTRACTOR SHALL PLACE CONCRETE LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS. B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING
- C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTIONS ON THE DRAWINGS. FLASHING, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

#### SECTION 15A MECHANICAL

#### 1. SCOPE OF WORK

- CONTRACTOR SHALL PROVIDE ALL LABOR. MATERIALS AND SERVICES TO INSTALL THE AIR CONDITION SYSTEM AS SHOWN ON THE DRAWINGS INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE
- 3. WORKMANSHIP UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.

2. EQUIPMENT- SEE A/C INFORMATION SCHEDULE FOR SIZE AND TYPE

#### SECTION 16A ELECTRICAL 1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE NITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT

- 2. MATERIALS- ALL NEW COMPLYING WITH REQUIREMENTS OF CBC AND NFPA
- A. ELECTRIC METALLIC TUBING- COUPLINGS AND FLEX CONDUIT GALVANIZED OR SHERARDIZED. B. PANELBOARDS- FLUSH MOUNTED WITH HINGED DOORS AND INDEXED
- CARD HOLDERS. C. CONDUCTORS- COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES. MINIMUM SIZE- #12.
  RECEPTACLE- GENERAL ELECTRIC 5242-2 OR EQUAL, +18".
- CLOCK RECEPTACLE EAGLE OR EQUAL. SWITCHES- GENERAL ELECTRIC 5901-2 OR EQUAL, +48" 2'x4' FLOURESCENT DROP IN LIGHT FIXTURE ACRYLIC PRISMATIC LENS, DBL. BALLAST, MAGNETIC ENERGY EFFICIENT (3) 34 WATT T-12 TUBES WEIGHT 27 LBS.

MATERIAL AND EQUIPMENT INSTALLED IN A SECURE, NEAT, WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS, PANEL BOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATERTIGHT CONDITION.

(2) 10d TOENAILS

JOIST OR RAFTERS TO SIDES OF STUDS 8" JOIST OR LESS (3) 16d: FOR EACH ADDITION 4" IN DEPTH OF JOIST (1) 16d

- BRIDGING TO JOIST, TOENAILS EACH END (2) 8d A. BLOCKING BETWEEN JOIST OR RAFTERS TOENAILS EACH SIDE, EACH END (2) 10d<sup>12</sup> B. BLOCKING BETWEEN STUDS, EA. END (2) 16d OR
- SOLE PLATE TO JOIST OR BLOCKING FACE NAIL 16d AT 16" O/C TOP PLATE TO STUD, END NAIL (2) 16d STUD TO SOLE PLATE (4) 8d TOENAILS OR (2) 16d ENDNAIL DOUBLE STUDS, FACE NAIL 16d AT 24" O/C DOUBLE TOP PLATES, FACE NAIL 16d AT 16" O/C DOUBLE TOP PLATES, LAP SPLICE (8) 16d
- EACH EDGE CEILING JOIST TO PLATE, TOENAIL (3) 8d CONTINUOUS HEADER TO STUD, TOENAIL (4) 8d CEILING JOIST, LAPS OVER PARTITIONS, FACE NAIL (3) 16d CEILING JOIST TO PARALLEL RAFTERS FACE NAIL (3) 16d JOIST OR RAFTERS AT ALL BEARINGS, TOENAILS EACH SIDE (2) 10d 1" BRACE TO EA. STUD AND PLATE, FACE NAIL (2) 8d

CONTINUOUS HEADER, TWO PIECES 16d AT 16" O/C ALONG

## BUILT UP CORNER STUDS 16d AT 24" O/C

- <u>PLYWOOD</u> SUBFLOOR, ROOF AND WALL SHEATHING TO FRAMING: 2 1/2" OR LESS 6d<sup>3</sup> 19/32" - 3/4" 3 8d OR 6d<sup>5</sup>
- 1 1/8" 1 1/4" 10d OR 8d COMBINATION SUBFLOOR/UNDERLAYMENT TO FRAMING:
- 3/4" OR LESS 6d<sup>5</sup> 7/8" 1" 8d<sup>5</sup> 1 1/8" - 1 1/4" 10d OR 8d PANEL SIDING TO FRAMING:2
- 1/2" OR LESS 6d<sup>6</sup> 5/8" 8d<sup>6</sup> **FOOTNOTES** COMMON OR BOX NAILS MAY BE USED EXCEPT WHERE

SHEATHING MAY BE COMMON, BOX OR CASING

- OTHERWISE STATED. <sup>2</sup>NAILS SPACED AT 6" O/C AT EDGES, 12" O/C AT INTERMEDIATE SUPPORTS EXCEPT 6" O/C AT ALL SUPPORTS WHERE SPANS ARE OR MORE, FOR NAILING PLYWOOD DIAPHRAGMS AND SHEAR WALLS. REFER TO SECTION 2315A.3.3 & 2315A.4. NAILS FOR WALL
- <sup>3</sup>COMMON OR DEFORMED SHANK

#### 4 COMMON <sup>5</sup>DEFORMED SHANK.

- <sup>6</sup>CORROSION RESISTANT SIDING OR CASING NAILS CONFORMING TO THE REQ. OF SECTION 2304A.3.
- <sup>7</sup>FASTENERS SPACED 3" O/C AT EXT. EDGES AND 6" O/C AT INTERMEDIATE SUPPORTS
- <sup>8</sup>CORROSION RESISTANT ROOFING NAILS WITH 7/16"ø HEAD AND 1 1/2" LENGTH FOR 1/2" SHEATHING AND 1 3/4" LENGTH FOR 25/32" SHEATHING CONFORMING O THE REQUIREMENTS OF SECTION 2304A.3.
- GCORROSION RESISTANT STAPLES WITH NOMINAL 7/16" CROWN AND 1 1/8" LENGTH FOR 1/2" SHEATHING AND 1 1/2" LENGTH FOR 25/32" SHEATHING CONFORMING TO THE REQUIREMENTS OF SECTION 2304A.3.
- <sup>10</sup>PANEL SUPPORTS AT 16". CASING OR FINISH NAILS SPACED 6" ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS. <sup>11</sup>PANEL SUPPORTS AT 24". CASING OR FINISH NAILS SPACED 6" ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS.
- 12 WHEN POSSIBLE, NAILS DRIVEN PERPENDICULAR TO THE GRAIN SHALL BE USED INSTEAD OF TOENAILS.

#### A. MATERIALS AND WORKMANSHIP

- ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW AND OF THE
- WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT.
- THE CONTRACTOR SHALL CERTIFY THAT NO ASBESTOS—CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.

#### B. GENERAL DESIGN REQUIREMENTS:

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH A METAL IDENTIFICATION TAG 3" x 1 1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

- B. DESIGN WIND LOAD C. DESIGN ROOF LIVE LOAD
- D. DESIGN FLOOR LIVE LOAD E. BUILDER'S NAME F. PLANT INSPECTOR/ID MARK
- EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION IS ACCEPTABLE). WHEN MODULES ARE ASSEMBLED, JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF.
- EACH 12'-0" WIDE MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE AGENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE, SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

#### C. FRAMING: ROOF, WALLS AND FLOOR:

FRAMING MEMBERS SHALL BE OF THE GRADE AND SIZE CALLED FOR ON THE STRUCTURAL PLANS.

#### D. MOISTURE BARRIER:

ALL WEATHER-EXPOSED SURFACES SHALL HAVE A WEATHER-RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERING. SUCH BARRIER SHALL BE EQUAL TO THAT PROVIDED FOR IN THE U.B.C. STANDARD NO. 14.1 FOR KRAFT WATERPROOF FELT. BARRIER SHALL BE FREE FROM HOLES AND BREAKS OTHER THAN THOSE CREATED BY FASTENERS AND CONSTRUCTION SYSTEM DUE TO ATTACHING OF THE BUILDING PAPER.

ALL HORIZONTAL JOINTS IN SIDING SHALL BE PROTECTED BY GALVANIZED "Z BAR- $3/4 \times 5/8 \times 3/4$ " FLASHING.

FLASHING NEED NOT BE USED WHERE SKIRTING MEETS THE UNDERSIDE OF AN EXPOSED METAL FRAME AND THE SKIRTING IS RECESSED SUFFICIENTLY TO

PROTECT THE TOP EDGE OF PLYWOOD.

ALL OVERHANGS SHALL PRESENT A PLEASING AND FINISHED APPEARANCE. SOFFIT MATERIAL, WHEN USED, SHALL BE 3/8" MIN. EXTERIOR SIDING. PLYWOOD SOFFIT MATERIAL SHALL BE APPLIED WITH EXPOSED GRAIN RUNNING PARALLEL TO THE LENGTH OF THE BUILDING. SOFFIT SHALL BE NEATLY AND CLOSELY FITTED AND TRIMMED TO COVER GAPS. ALL

#### G. ENTRY LANDING AND RAMP:

- EACH MODULE SHALL HAVE A LANDING(s) AND RAMP(s) TO CONFORM TO TITLE 24, C.C.R. SECTION 1007. THE LANDING(s) AND RAMP(s) STRUCTURE INCLUDING HANDRAIL AND WHEEL GUIDES. PREFABRICATED METAL LANDINGS AND RAMPS SHALL BE BUILT IN SECTIONS THAT ARE DEMOUNTABLE FOR MOVING AND REINSTALLATION AT A NEW SITE. THERE SHALL BE SUFFICIENT CROSS BRACING UNDER THE RAMP SURFACE TO PREVENT BOUNCE OR OIL CANNING OR THE RAMP SURFACE. DESIGN SHALL BE SUCH THAT HEIGHT ADJUSTMENT CAN BE MADE AT THE INSTALLATION SITE.
- RAMP SHALL HAVE SKID RESISTANT METAL OR WOOD SURFACE.

ENCLOSED SOFFIT AREAS SHALL BE VENTILATED PER THE C.B.C.

#### H. ELECTRICAL MATERIALS;

LUBRICANT MAY BE USED IF NECESSARY.

ALL ELECTRICAL WIRING 110V AND GREATER SHALL BE IN CONDUIT SYSTEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF C.E.C. MINIMUM SIZE

#### CONDUIT IS 1/2" MIN.

- ACCEPTABLE CONDUIT RIGID ELECTRICAL METALLIC TUBING (EMT); GALVANIZED THIN WALL FLEXIBLE (INTERIOR); GALVANIZED STEEL
- FLEXIBLE (EXTERIOR); GALVANIZED STEEL WITH FACTORY APPLIED PVC ALL CONDUITS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET AND SHALL BE SECURED IN CONFORMANCE WITH C.E.C. FIELD BENDS SHALL BE AVOIDED WHEREVER POSSIBLE. WHERE BENDS MUST BE MADE, USE AN APPROPRIATE "HICKEY" OR BENDING MACHINE. REAM AND DEBUR ALL CONDUIT PRIOR TO INSTALLATION AND TERMINATE IN APPROPRIATE BUSHINGS OR CONNECTORS, JACKET. WIRING SHALL BE #14 MIN. COPPER TYPE TW, THW, THWN AS APPLICABLE. CONDUIT FILL SHALL NOT EXCEED REQUIREMENTS OF C.E.C. A SEPARATE GROUNDING CONDUCTOR SHALL BE PULLED THROUGHOUT THE ENTIRE SYSTEM. CARE SHALL BE TAKEN TO AVOID DAMAGE TO WIRE OR INSULATION DURING PULLING. POWDERED SOAPSTONE OR A PULLING COMPOUND SUCH AS "YELLOW 77"

FICE OF REGULATION'S

#### **GENERAL NOTES:**

- A. ALL WORK TO BE IN ACCORDANCE WITH REQUIREMENTS OF CALIFORNIA BUILDING CODE; TITLE 24, PART 2,3,4,5,9 AND TITLE 24, PART 1, GROUP A COPY OF THESE REGULATIONS SHALL BE KEPT ON THE JOB SITE AT
- B. PLANS AND SPECIFICATIONS: CHANGES IN PLANS AND SPECIFICATIONS SHALL BE MADE BY THE ADDENDUM OR CHANGE ORDER, SIGNED BY THE ARCHITECT AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE ANY RELATED WORK CAN BEGIN. CHANGE ORDERS SHALL ALSO BE SIGNED BY THE OWNER PRIOR TO APPROVAL BY DSA.
- C. TESTING: TESTS OF MATERIALS SHALL BE BY A PERSON OR TESTING LABORATORY SELECTED BY THE OWNER WITH THE APPROVAL OF DSA AND ARCHITECT. THE OWNER SHALL BE RESPONSIBLE FOR THE COST OF TESTING, EXCEPT FOR THE RETESTING REQUIRED BY THE FAILURE OF ANY MATERIAL TO PASS.
- ERECTION AT THE SITE: THE BUILDING SHALL BE TRANSPORTED, ERECTED AND SET ON FOUNDATION AS REQUIRED BY A LICENSED TRANSPORTER. ALL REQUIRED FINISH WORK SHALL BE COMPLETED BY SKILLED LABOR OF THE MANUFACTURER/CONTRACTOR, BUT WILL NOT INCLUDE UTILITIES SERVICE CONNECTION. SITE WORK: THE OWNER, UNLESS OTHERWISE SHOWN ON THE APPROVED
- PLANS, WILL PROVIDE SITE(s) SATISFACTORY TO THE ARCHITECT OR ENGINEER FOR THE INSTALLATION OF THE RELOCATABLE BUILDING(s) THAT ARE LEVEL AND HAVE STABLE SOIL CONDITIONS WITH ADEQUATE SITE DRAINAGE, EXCEPT IF DESIGNATED IN THE CONTRACT DOCUMENTS AS THE RESPONSIBILITY OF THE MANUFACTURER/CONTRACTOR. IF ADDITIONAL GRADING AND/OR LEVELING IS NECESSARY FOR PROPER INSTALLATION OF MODULAR UNITS, THE ADDITIONAL CHARGE WILL BE THE RESPONSIBILITY OF THE OWNER.
- UTILITIES: THE OWNER WILL BE RESPONSIBLE FOR ANY AND ALL UTILITY, FIRE ALARM OR SPECIAL ELECTRICAL SIGNAL SYSTEM CONNECTIONS EXCEPT IF DESIGNATED IN THE CONTRACT DOCUMENTS AS THE RESPONSIBILITY OF THE MANUFACTURER/CONTRACTOR
- G. FIRE EXTINGUISHER: UL2A-10BC, PRESSURE TYPE, MAX. 48" TO EXTINGUISHER HANDLE - SEE SPECIFICATION SHEET.
- H. BUILDING INSULATION: SHALL COMPLY WITH CALIFORNIA QUALITY STANDARDS FOR INSULATING MATERIAL. FLAME SPREAD -MAX. 25, SMOKE DEVELOP -MAX. 450 CBC SEC. 1510. SEE SPECIFICATION SHEET.
- I. T-GRID CEILING: SUSPENDED T-BAR SYSTEM WITH LAY-IN PANELS FLAME SPREAD - MAX. 0-25, SMOKE DEVELOP - MAX. 450 SEE SPECIFICATION SHEET.
- J. <u>FIRE ALARM SYSTEM</u>: SEE SPECIFICATION SHEET "THE FIRE ALARM SYSTEM SHALL CONFORM TO CALIFORNIA BUILDING CODE SECTION 305.9, AND CALIFORNIA ELECTRIC CODE ARTICLE 760, CALIFORNIA FIRE CODE, ARTICLE 10."
- FIRE MARSHAL LISTING NUMBER FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY DSA. UPON COMPLETION OF THE INSTALLATION OF THE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE!

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INSTALLATION OF THE FIRE PROTECTIVE SIGNALING SYSTEM SHALL NOT BE

STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING STATE

IN THE PRESENCE OF THE ENFORCING FIRE AGENCY ALARMS- SECTION 1006.2.4, CALIFORNIA FIRE CODE. IF EMERGENCY WARNING SYSTEMS ARE REQUIRED, THEY SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNING SHALL HAVE A FREQUENCY OF NOT MORE THAN 60 FLASHES.....

#### (A) LOCATE PER CFC 1006.2.4

PER MINUTE.

- K. GROUNDING OF BUILDING COMPONENTS THE OWNER, UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS, SHALL RESPONSIBLE FOR PROVIDING THE NECESSARY GROUNDING OF THE BUILDING ELECTRICAL SYSTEM PER CEC 250-50, 250-52 AND 250-56.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE NECESSARY GROUNDING OF THE METAL PORTION BUILDING COMPONENTS (METAL FRAMED STEEL RAMP, ETC.) TO MEET THE REQUIREMENTS OF IR
- NO 16-1, ISSUED BY D.S.A. 3. THE PROJECT INSPECTOR SHALL WITNESS AND VERIFY THE GROUNDING
- MECHANICAL FACTORY-MADE AIR DUCTS. FACTORY-MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF C.M.C. STANDARD NO. 10-1. EACH PORTION OF A FACTORY-MADE AIR DUCT SYSTEM SHALL BE IDENTIFIED BY THE MANUFACTURER WITH A LABEL OR OTHER SUITABLE IDNETIFICATION INDICATING COMPLIANCE WITH C.M.C STANDARD
- NO. 10-1 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF INSULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN BUILDINGS SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE DENSITY OF NOT MORE THAN 50 WHEN TESTED AS A COMPOSITE INSTALLATION

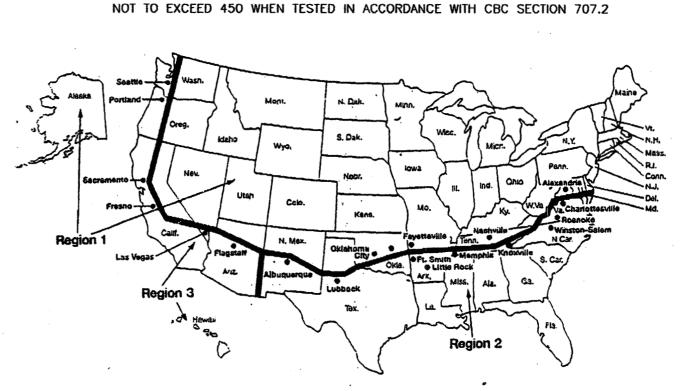
RATING OF NOT MORE THAN 25 AND A SMOKE-DEVELOPMENT RATING OF NOT

INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVES AS NORMALLY APPLIED. MATERIAL EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME-SPREAD

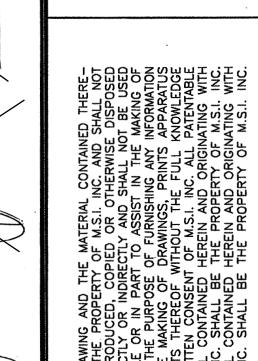
4. AIR FILTERS. AIR FILTERS SHALL BE LISTED UNITS PER U.F.C. STANDARD

NO. 9-6. AIR FILTERS SHALL COMPLY WITH ALL REQUIREMENTS OF STATE STANDARD NO. 12-71-1. 5. PIPE AND TUBING. INSULATION AND COVERING ON PIPE AND TUBING SHALL

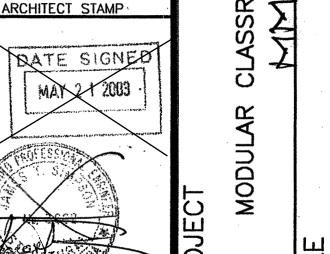
HAVE A FLAME SPREAD-RATING NOT TO EXCEED 25 AND A SMOKE DENSITY



JOHNS MANVILLE BUILT-UP ROOFING REGION 1 REGION 2 + REGION 3



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LICENSE EXPIRES 6-30-2004 STRUCTURAL ENGINEER STAM 12-1-04

> AS NOTED PPROVED

STATE AGENCY STAMP

IDENTIFICATION STAMP
DIX OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES, AC FLS MY SS KR DATE: 5-30-03

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IDENTIFICATION STAMP

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REVIEWED FOR

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APP: 03-123803 INC:

DATE: 05/29/2024

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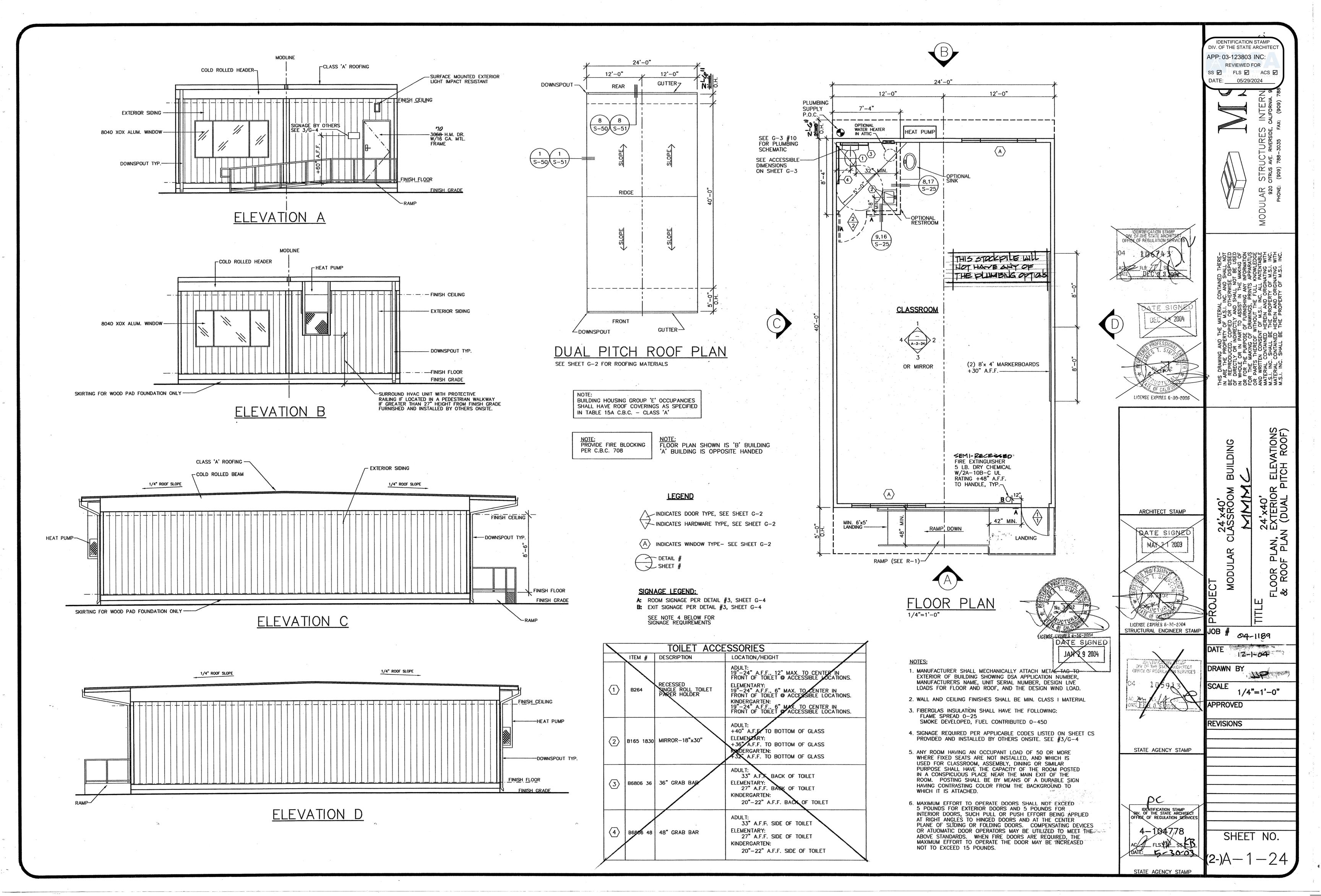
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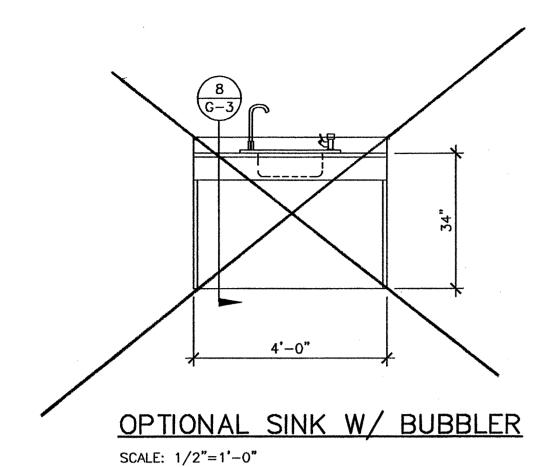
SHEET NO.

STATE AGENCY STAMP

#### CONSTRUCTION NOTES & MATERIALS: IDENTIFICATION STAM DIV. OF THE STATE ARCHITE INTERIOR FINISH SCHEDULE STEEL COLUMNS: CHECK ONE CHASSIS CONSTRUCTION: CHECK ONE APP: 03-123803 INC: CORNER COLUMNS: 3 1/2"x3 1/2"x1/4" OR 4"x4"x1/4" BOX SIZE: 12'x40' HARDWARE GROUP 1 CEILING WALLS REVIEWED FOR FRAME: PERIMETER SS 🗹 FLS 🗹 ACS 🗹 MIDSPAN COLUMN & SIDEWALL: N.A. DESCRIPTION PART NO. MAIN RAIL/SIZE: 7"x9.8# C-CHANNEL @ PLYWOOD FLOOR OR DATE: 05/29/2024 STEEL POST HEIGHT: 9'-0" 10"x15.3# C-CHANNEL @ CONCRETE FLOOR HINGES SCHLAGE D70PD RHODES, 26D FINISH MISC: (NOTE: THE STEEL POST HEIGHT IS FROM TOP OF FLOOR TO BTM. OF SIDEWALL BEAM/HEADER.) LOCKSET, LEVER HANDLE REFERENCE DETAIL SHEET: CLOSER, 5 LBS CLOSING TRUSS TYPE 20 PSF ROOF LOAD: YES OR NO NORTON 1601 SIDEWALL BEAM TYPE: 18/23/18x3 1/2"x10 GA. CHANNEL @ DOUBLE SLOPE OR THRESHOLD PEMCO 271A PEMCO 216AV DOOR BOTTOM ENDWALL HEADER: 18 x 3 1/2" x 12 GA. CHANNEL @ DOUBLE SLOPE AND FLOOR FRAMING: CHECK ONE 18 x 28" x 3 1/2" x 12 CA. CHANNEL @ HIGH SIDE OF SINCLE SLOPE PEMCO 279PAV FLOOR LOAD: 50 PSF 50+20 PSF 100 PSF 125 PSF JOIST SIZE & GRADE: 7"x11 GA. Z-MEMBER © PLYWOOD FLOOR OR WEATHERSTRIP TRUSS CONFIGURATION @ MODLINE: DOUBLE SLOPE OR SINGLE SLOPE CLASSROOMS DOOR STOP QUALITY 431 TOP CHORD: \_ L 3"x3"x3/8" RESTROOMS 6"x8.2 C-CHANNEL @ CONCRETE FLOOR BOTTOM CHORD: L 3"x3"x3/8" JOIST SPACING: SEE CHART ON FLOOR FRAMING PLAN INSULATION: R-11 UNFACED OR R-19 UNFACED WEBS: L 2"x2"x3/16" @ 1ST TWO BAYS, L 1 1/2"x1 1/2"x3/16" @ ALL OTHERS OVERHANGS: 5'-0" @ FRONT & 2'-6" @ REAR OVERHANG MATERIAL: L 4"x3"x3/8" OR 10"x3"x12 GAUGE C-CHANNEL SOFFITS: OPEN SOFFITS OR CLOSED SOFFITS BOTTOM ENCLOSURE: CANVEX CW-600 FLOOR DECK: PLYWOOD DECKING OR LIGHTWEIGHT CONCRETE HARDWARE GROUP 2 PART NO. REFERENCE DETAIL SHEET: REFERENCE DETAIL SHEET: SCHLAGE D40S RHODES, 26D FINISH PRIVACY LEVER TRUSS TYPE 30 PSF ROOF LOAD: YES OR NO FINISH WALL COVERING & FINISH CEILING SHALL BE FLAME SPREAD CLASS TRUSS CONFIGURATION: DOUBLE SLOPE OR SINGLE SLOPE WIND LOAD: 80 MPH EXP. C OR 90 MPH EXP. C NO. OR 2"x6" H.F. #2 SIDEWALL BEAM TYPE: 18/23/18x3 1/2"x10 GA. CHANNEL @ DOUBLE SLOPE OR 18/28x3 1/2"x10 GA. CHANNEL @ SINGLE SLOPE WINDOW SCHEDULE ENDWALL HEADER: 18"x3 1/2"x12 GA. CHANNEL @ DOUBLE SLOPE AND ROUGH OPENING WIDTH x HEIGHT SPACING: 16" O.C. SCREEN GLAZING FRAME MANUFACTURE/SERIES/DESCRIPTION WINDOW SIZE HARDWARE GROUP 3 18"x28"x3 1/2"x12 GA. CHANNEL @ HIGH SIDE OF SINGLE SLOPE 8'-0"x4'-0" XOX CLEAR ANODIZED YES 46% DUAL GLAZE, HORIZONTAL SLIDER, ALUMINUM FRAMED SCREENS SIDE WALL HEIGHT: 9'-0" A VERIFY TRUSS TOP CHORD: L 4"x3"x3/8" VERIFY DESCRIPTION INSULATION: R-13 UNFACED OR R-19 UNFACED TRUSS BOTTOM CHORD: L 4"x3"x3/8" TRUSS WEBS: L 2"x2"x3/16" @ 1ST 7WO BAYS, L 1 1/2"x1 1/2"x3/16" @ ALL OTHERS HAGAR BB1191 4.5".4.5" NRP FIRE RESISTIVE CONSTRUCTION: OVERHANGS: 5'-0" @ FRONT & 2'-6" @ REAR OVERHANG MATERIAL: L 5"x3"x3/8" OR 10"x3"x12 GAUGE C-CHANNEL OR CLOSED SOFFITS REFERENCE DETAIL SHEET: \_\_\_\_ CLOSER, 5 LBS CLOSING NORTON 1601 PEMCO 271A THRESHOLD REFERENCE DETAIL SHEET: DOOR SCHEDULE DOOR BOTTE PEMCO 216AV WIND LOAD: 80 MPH EXP. C OR 90 MPH EXP. C SYM. WIDTH HEIGHT THK. FRAME GLAZING WEATHERSTRIP PEMOO 279PAV SITE CONDITIONS: CHECK ONE 16 GA. METAL 1 3'-0" 7-0" 1 3/4" HOLLOW METAL 18 GA. HOLLOW METAL DOOR STUD SIZE & GRADE: 31/2" x 20 GAUGE OR 5 1/2" x 20 CAUGE FOUNDATION TYPE: WOOD PAD OR CONCRETE DOOR STOP QUALITY 43 FLASHING REQUIRED: CONCRETE FLUSH W/ GRADE OR CONCRETE ABOVE W/ GRADE SPACING: 16" O.C. THEY CHINE CHINE EXTERIOR TRIM, LEVER HANDLE VON DUPRIN 230L RAMP & LANDING: SEE FLOOR PLAN FOR RAMP AND LANDING SIDE WALL HEIGHT: 9'-0" SKIRTING REQUIRED: YES OR NO ROUGH SAWN T-1-11 UNGROOVED INSULATION: R-13 UNFACED OR R-FIXTURE MOUNTING HEIGHTS: ADULT HEIGHT ELEMENTARY KIDDIE FIRE RESISTIVE CONSTRUCTION: -HARDWARE GROUP 4 REFERENCE DETAIL SHEET: HAGAR RC1749 4.0"x4.0" L2 ON-SITE SCOPE OF WORK: CATIONS, & SCHE ALL UNDER FLOOR PLUMBING FURINISHED AND INSTALLED ON-SITE. RHODES, 26D FINISH EXTERIOR WALL SIDING: CHECK ONE 5/8" THK. DURATEMP APA RATED GROOVED @ 8" O.C. 1/2" CDX PLYWOOD W/ STUCCO ON-SITE PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN SPECIFI NOTES REFERENCE DETAIL SHEET: FOR STUCCO SIDING SEE DETAILS #16 & #17 SHEET G-4 THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT **VARIABLE MATERIAL SPECIFICATIONS:** LOAD OF 50 OR GREATER, CBC 1007.3.10 ARCHITECT STAMP MISC.: I.C.B.O.# FOR DURATEMP SIDING (ER-4856) ALL HARDITARE AS SPECIFIED OF FIRE RATED PER UBC STANDARD 15-2 CLASS 'A' BASE SHEET FINISHED GRADE 25-30# ASPHALT COATED DATE SIGNER BUILDING VINYL COMPOSITION TILE: MULE-HIDE EPDM MEMBRANE ROOFING SYSTEM: INTERIOR WALLS: CHECK ONE 12" SQUARE, MINIMUM 1/8" THICK, PERFORMANCE RATED PER ASTM (ETHYLENE-PROPYLENE-DIENE TERPOLYMER MEMBRANE) ADHESIVELY OR MECHANICALLY ATTACHED OVER INSULATED, F1066, COMP-1, CLASS-2, AND ASTM F970 75PSI, FIRE RATED PER STUD SIZE & GRADE: 2"x4" H.F. #2 OR 3 1/2"x20 GAUGE STEEL STUDS COMBUSTIBLE OR NON-COMBUSTIBLE DECKS. CLASS 'A'. ASTM E648 FLAMMABILITY CLASS-1, AND ASTM E662 SMOKE DENSITY THE EPDM MEMBRANES ARE SYNTHETIC RUBBER SINGLE-PLY MAX. 450. MIN. COEFFICIENT OF FRICTION TO BE 0.5 PER ASTM D2047 SHEETS HAVING A MIN. NOMINAL THICKNESS OF 45 MILS (1.1 MM). INSTALL PER MANUFACTURER INSTALLATION INSTRUCTIONS. (I.C.B.O.# ER-5867) BURKE MOLDED RUBBER 1/8" THICK, 4" HEIGHT, COVE STYLE INSULATION: YES OR NO 1/4" DENS-DECK ROOF BOARD: #502-P, OR EQUIV. USED AS A UNDERLAYMENT FOR THE EPDM MEMBRANE ROOFING SYSTEM. FLAME SPREAD: O, SMOKE DEVELOPED: O PER, ASTM E 84. FIRE RESISTIVE CONSTRUCTION: INSTALL PER ROOFING MANUFACTURER INSTALLATION INSTRUCTIONS. MARKER BOARDS: 1/2" PARTICLE BOARD SUBSTRATE, FULL WIDTH MAP RAIL W/ CORK INSERT AND SIX MAP HOOKS, EXTRUDED ALUMINUM MOLDING WITH HORIZONTAL SLIDING, 50% VENTING, ANODIZED ALUMINUM FRAME. PERFORMANCE RATED PER AAMA GS101-88 FOR COMMERCIAL USE AND MEDIUM EXPOSURE, NAIL-ON FIN FASTENED DIRECTLY TO FRAMING AND LICENSE EXPIRES 6-30-2004 ALL FINISHES SHALL COMPLY WITH CBC CHAPTERS 7 & 8. CFC AND TITLE 19 CCR BEHIND SIDING MATERIAL, REMOVABLE SCREEN AT VENT SASHES. LAMINATED OR TEMPERED GLAZING TO BE NOTED ON FLOOR PLAN. STRUCTURAL ENGINEER STAMP 04-1189 DUAL GLAZED WINDOWS TO HAVE MINIMUM 1/4" AIR SPACE AND 1/8" ROOF DETAILS: GLASS (SEE WINDOW SCHEDULE FOR SIZES) TYPE OF DRAIN SYSTEM: 26 GA. GUTTERS AND DOWN SPOUTS INTERIOR WALL COVERINGS: 12-1-04 APPLIED OVER MINIMUM 1/2" GYPSUM BOARD, OR MINIMUM 3/8" (\*)ORIENTED STRAND BOARD. EXPOSED SURFACES FIRE RATED PER ASTM E-84, FLAME SPREAD MAXIMUM 200, SMOKE DEVELOPED MAXIMUM DRAWN BY 450. (\*PROVIDE FIRE BLOCKING WHEN 3/8" OSB IS USED AS BACKING MATERIAL) TACKBOARD: VINYL WALL COVERING TO BE CLASS I DOMTAR GYPSUM OR EQUAL, LAMINATED ONTO 1/2" INDUSTRIAL INSULATION BOARD, 4'-0"x9'-0", LONG EDGES BEVELED. ROOF FRAMING: CHECK ONE FLAME SPREAD = 65 SMOKE DENSITY = 175 **APPROVED** ROOF LOAD: 20 PSF OR 30 PSF OR 7"x1 1/2"x11 GA. Z-MEMBER OR 7"x1 1/2"x11 GA. Z-MEMBER FRP: FIBERGLASS REINFORCED PLASTIC PANELS, 4'-0"x8'-0", WITH COLOR MATCHED PVC MOLDINGS OVER 1/2 GYPSUM REVISIONS FLAME SPREAD AND SMOKE DEVELOPMENT, CLASS C PER ASTM-E84 SMOKE DENSITY NOT TO EXCEED 450. FLAME SPREAD NOT TO EXCEED 200 RAFTER SPACING: 48" O.C. INSULATION: R-19 UNFACED OR R-30 UNFACED SUSPENDED SYSTEM, PERFORMANCE RATED ASTM C635 HEAVY DUTY FINISH ROOFING: 22 GAUGE GALV. STANDING SEAM ROOF ACOUSTIC LAY-IN CEILING PANELS: STATE AGENCY STAMP 26 GAUGE GALV. STANDING SEAM ROOF LIGHT REFLECTIVE LR-1, FIRE RATED CLASS-A PER ASTM E84. VINYL FACED FIBERGLASS, 5/8" THICK, ARMSTRONG OR EQUIV. CLASS A: FLAME SPREAD 25 (UL LABELED) PER ASTM E 1264 BUILT-UP 3-PLY ROOFING EPDM W/ 1/4" DENSDECK UNDERLAYMENT SMOKE DENSITY NOT TO EXCEED 450. ROOF SHEATHING: 3/4" C-D PLYWOOD @ NON 22 GAUGE ROOFING DIRECT GLUE-DOWN, PERFORMANCE RATED PER STATE OF CALIFORNIA ROOF SLOPE: 1/4" PER 12" DOUBLE SLOPE SPECIFICATION 7220-21L-01. (GROUP I, TYPE A, CLASS 24) 4600 MIN. DENSITY. THE CARPET IS TO HAVE A MINIMUM CRITICAL FLUX OF .25 WATT/CM . MINIMUM WEAR LAYER .050" THICK, PERFORMANCE RATED PER ASTM YES F1303-90 TYPE-II, GRADE-1, CLASS-A, AND ASTM F970 125PSI, IDENTIFICATION STAMP FIRE RATED PER ASTM E648 FLAMMABILITY CLASS-I, AND ASTM E662 DIN OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES SMOKE DENSITY MAX. 450. MIN. COEFFICIENT OF FRICTION TO BE 5-3003

STATE AGENCY STAMF



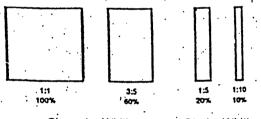


1. Character type: Characters on signs shall be raised 1/32 inch (0.794 mm) minimum and shall be sans serif uppercase characters accompanied by Grade 2

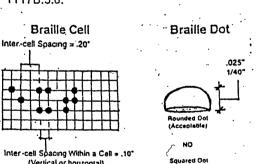
Character size: Raised characters shall be a minimum of 5/8 inch (15.9 mm) and a maximum of 2 inches (51 mm) high.
 Finish and contrast: Contrast between characters, symbols and their background must be 70% minimum and have a non-glare finish. 1117B.5.2
 Proportions: Characters on signs shall have a width-to-height ratio of between 3:5 and 1:1 and a stroke width-to-height ratio of between 1:5 and 1:10. 1117B.5.3

All letters measured must be uppercase. After choosing a typestyle to test, begin by printing the letters I, X, and O at 1 inch high. Place the template's 1:1 square over the X or O, whichever is narrower. If the character is not wider than 1 inch, nor narrower than the 3:5 rectangle, the proportions are correct. Use the 1:5 rectangle to determine if the stroke of the I is too broad, and the 1:10 rectangle to see if it is too narrow. If all the tests are passed, the typestyle is compliant with proportion code.

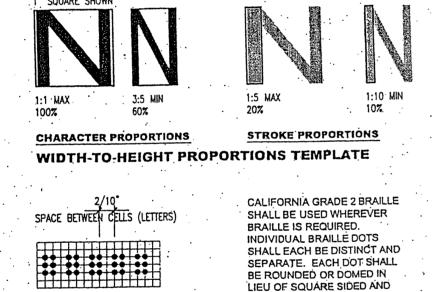
Template for checking character and stroke width to height proportions:



in other portions of these standards. Dots shall be 1/10 inch (2.54 mm) on centers in each cell with 2/10 inch (5.08 mm) space between cells, measured m the second column of dots in the first cell to the first column of dots in the second cell. Dots shall be raised a minimum of 1/40 inch (0.635 mm) above the

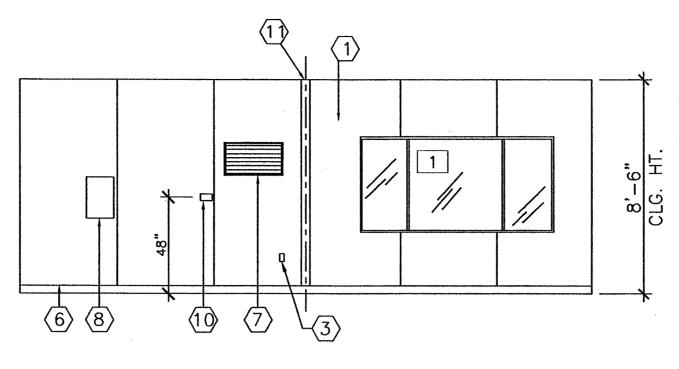


Recommend Rounded or domed California Braille dots, each distinct and separate. Dots with straight sides and flat tops are not readable for many Braille

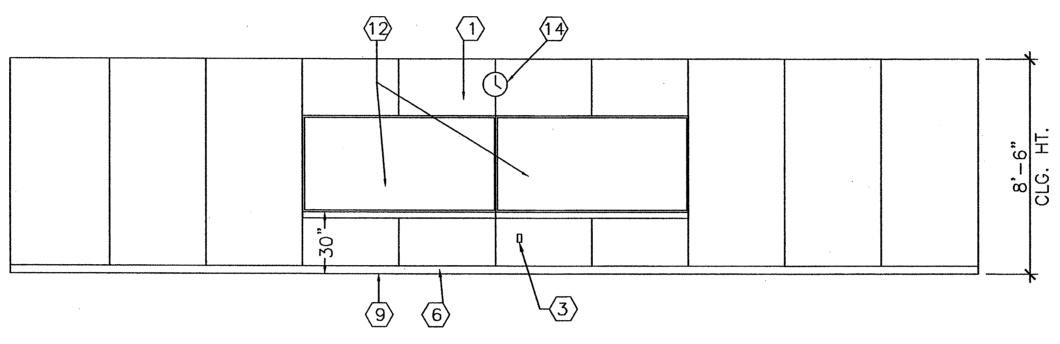


BRAILLE SPACING TEMPLATE PER TITLE 24 SIGNAGE TEMPLATES

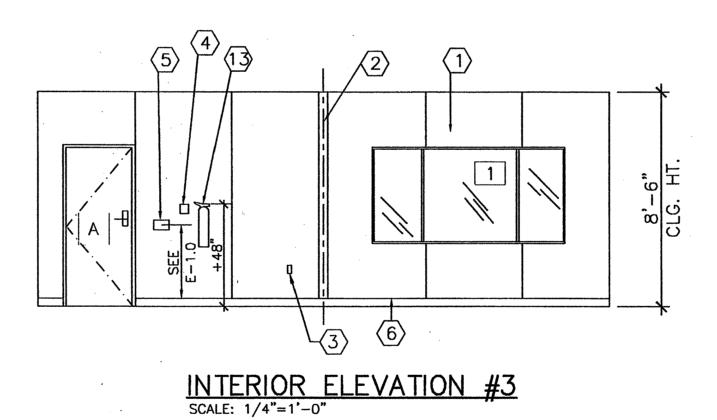
1/10" BY 1/10"

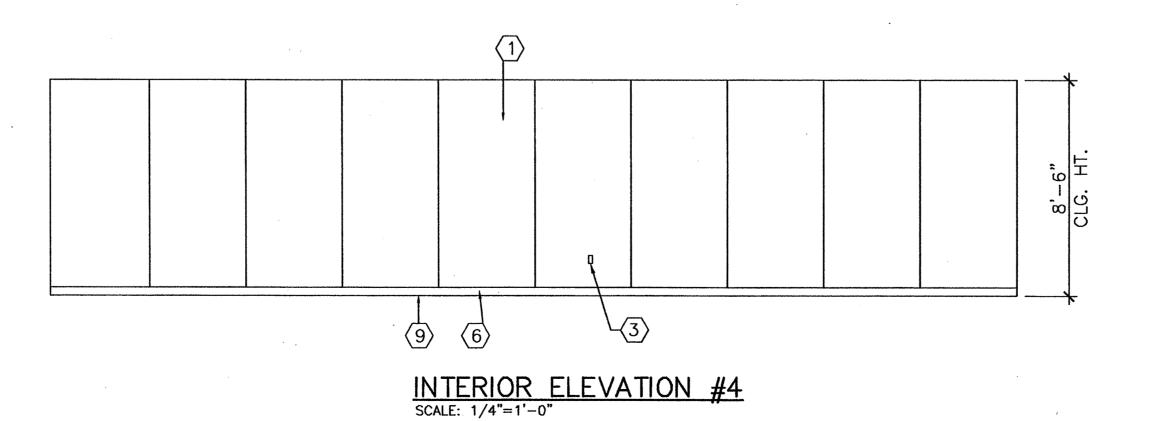


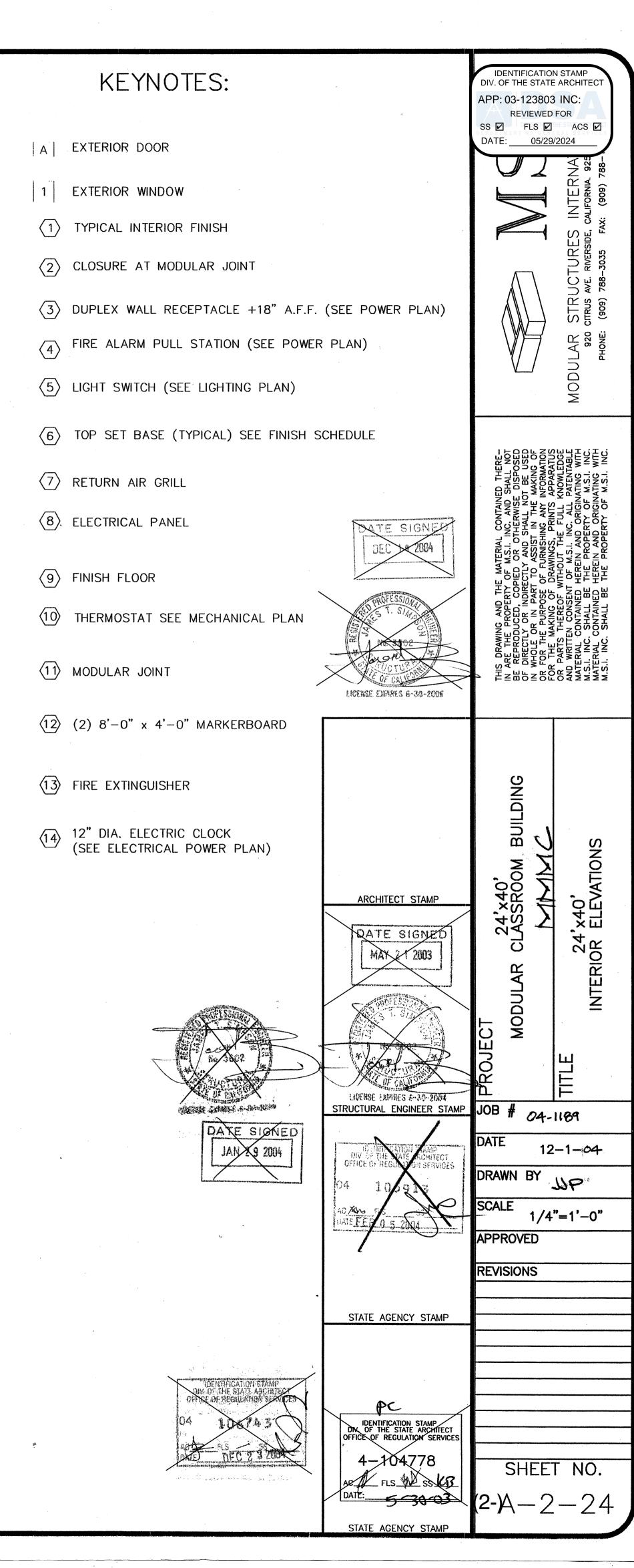
INTERIOR ELEVATION #1
SCALE: 1/4"=1'-0"

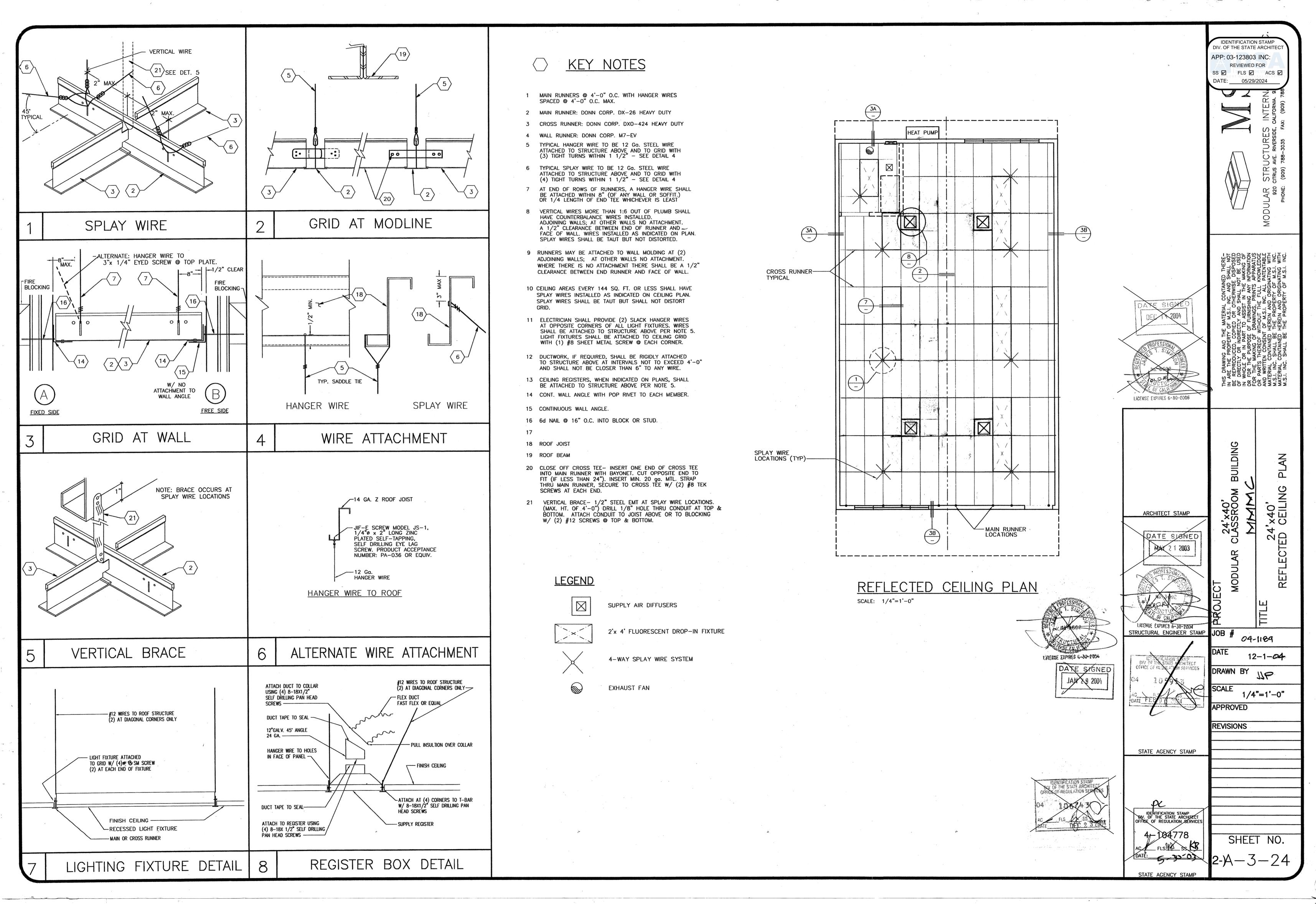


INTERIOR ELEVATION #2
SCALE: 1/4"=1'-0"



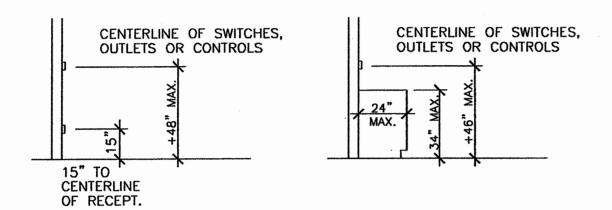






### SYMBOL LEGEND

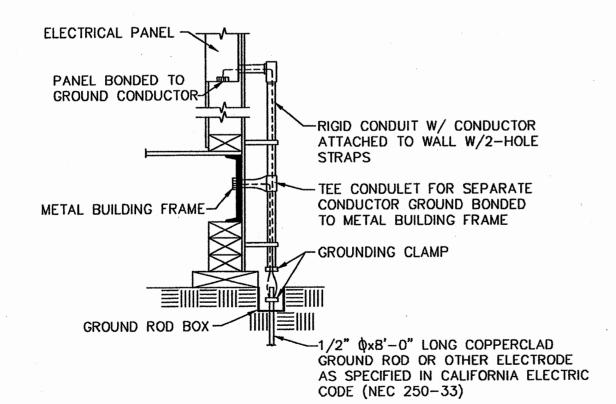
- DISCONNECT-GENERAL SWITCH R610-B,60 AMP.
  NOT REQUIRED ON A/C UNITS WITH INTERNAL DICONNECT BREAKER
- PULL STATION J-BOX W/ 3/4"ø CONDUIT @ 48" A.F.F.
- EXT. HORN J-BOX W/ 3/4" CONDUIT @ + 7'-0" A.F.F.
- 110V RECEPTACLE 20 AMP
   SPECIFICATION GRADE @ +18" A.F.F.
- \$ SWITCH @ +42" A.F.F.
- SPRING WOUND MECHANICAL TIMER, 1-HR. TIMING RANGE SWITCH @ +42" A.F.F.
- EXTERIOR LIGHT +7'-6"- SEE FIXTURE SCHEDULE
- ☐ HORN/STROBE LIGHT J-BOX W/ 3/4"Ø CONDUIT @ + 80" A.F.F.
- S SMOKE DETECTOR J-BOX W/ 3/4" CONDUIT @ CEILING
- HEAT DETECTOR J-BOX W/ 3/4" CONDUIT IN ATTIC SPACE (ONE PER MODULE, IN ATTIC TYP.)
- TS AUTOMATIC TIME SWITCH @ +48" IN ATTIC SPACE
- OS OVERRIDE SWITCH @ +42"
- P DIRECTIONAL PHOTO CELL CONTROL ON ROOF
- () CLOCK W/CLOCK OUTLET @ +8'-0"
- DE-1 LEVITON ODSIS-ID OCCUPANCY SENSOR
- 05-1 LEVITON ODSOD-ID OCCUPANCY SENSOR
  - NOTE:
    ALL FIXTURE MOUNTING HEIGHTS ARE TO THE CENTER OF THE FIXTURE (U.N.O.)



#### MOUNTING HEIGHT OVER OBSTRUCTION

### FIRE ALARM NOTES

- 1. FIRE ALARM SYSTEM SHALL COMPLY W/ TITLE 24 SEC. 305.9, TITLE 24, PART 3, ARTICLE 760 OF THE CALIFORNIA CODE OF REGULATIONS AND CALIFORNIA FIRE REGULATIONS, ARTICLE 10.
- INSTALLATION OF FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAIL PLANS, SPECIFICATIONS AND ENGINEERING CALCULATIONS HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STUCTURAL ENGINEER IN GENERAL CHARGE OF DESIGN AND THE SIGNATURE OF THE ARCHITECT OR PROFESSIONAL ENGINEER WHO HAS BEEN DELEGATED RESPONSIBILITY COVERING THE WORK SHOWN ON A PARTICULAR PLAN OR SPECIFICATION, AND APPROVED BY THE OFFICE OF THE STATE ARCHITECT AND STATE FIRE MARSHAL.



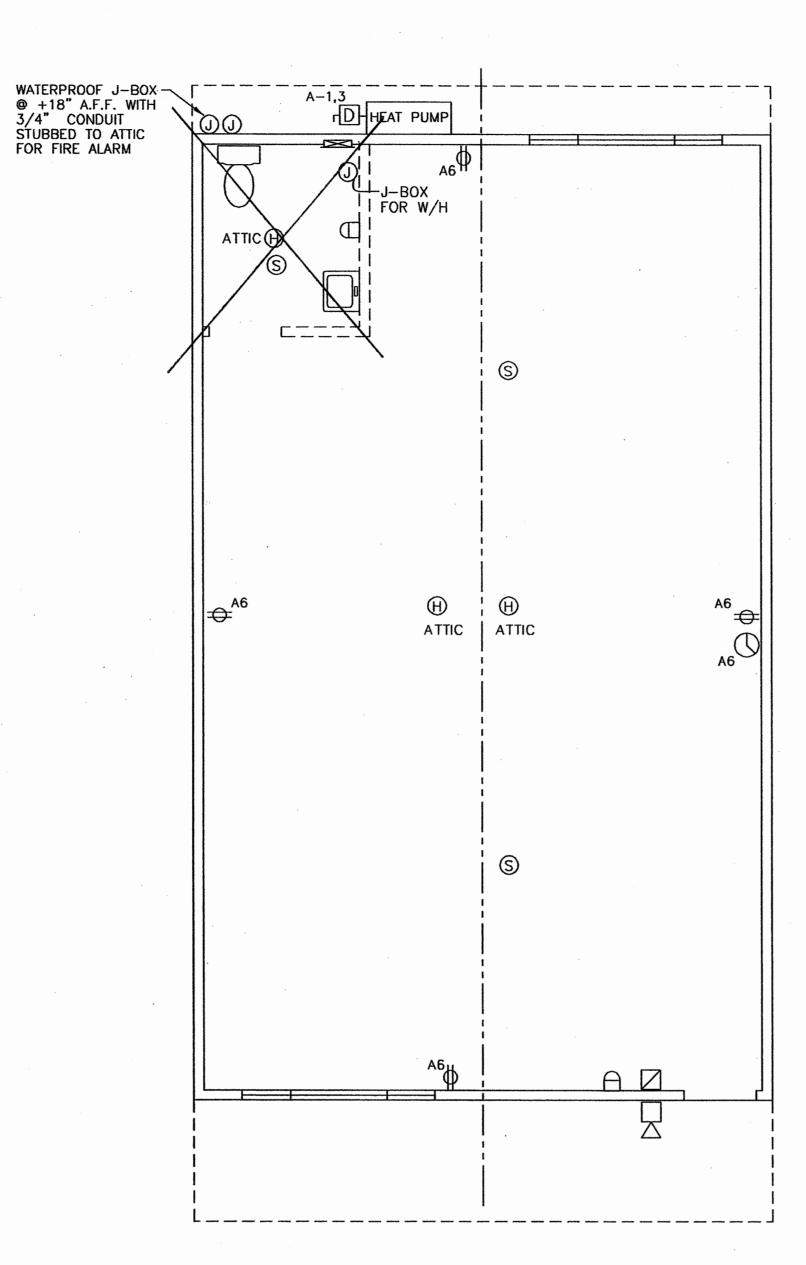
NOTES:

1. SIZE OF CONDUCTORS SHALL COMPLY W/NEC TABLE 250-95.

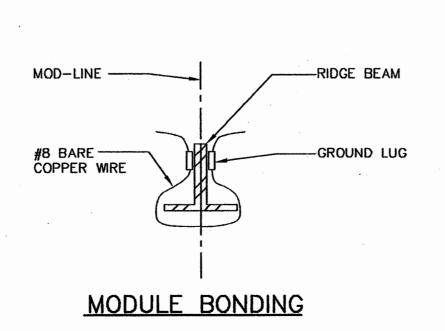
- 2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL & TO METAL BUILDING FRAME (NEC 250-81) IN ADDITION TO THE DETAIL SHOWN ABOVE. BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10 FT. INTO THE SOIL IF AVAILABLE (NEC 250-81 & 250-83).
- 3. ALL MODULES OF METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). INCLUDING RAMP TO STEEL FRAME.
- 4. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS W/CONDUCTORS AS SHOWN, SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (NEC 250-84).
- 5. PROJECT INSPECTOR SHALL WITNESS GROUNDING TEST.

#### ACCEPTABLE GROUNDING DETAIL

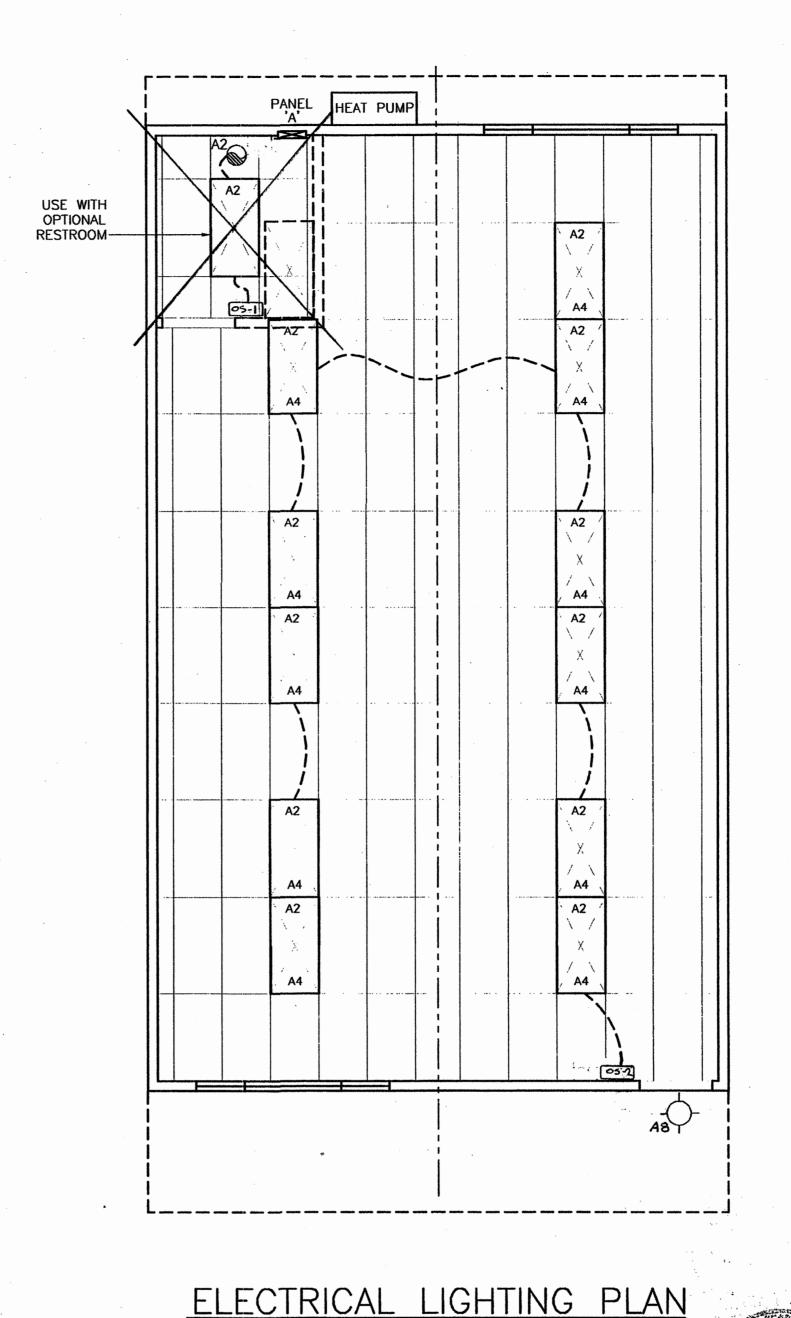
BY OWNER



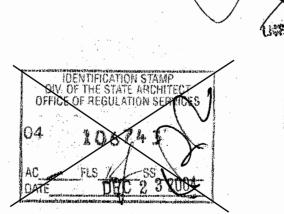
ELECTRICAL POWER PLAN
SCALE: 1/4"=1'-0"



PANELBOARD	SCH	EDUL	E.												PANEL A
VOLTS 120/240		PHASE	Ξ_	1	-			ВІ	JSS _	100	) A	-		FEED	
MAIN BRKR 100 A		WIRE	-	3				M	TNUC		FLUS	Н	-	LOCA	ATION INTERIOR
DESCRIPTION	WA Aø	TTS Bø	WIRE SIZE	BREAKER	POLE	CKT. NO.	٠.	, E	CKT. NO.		BREAKER	WIRE SIZE	WA Aø		DESCRIPTION
HVAC	6900		6	60	2	1			2	1	20	12	756		LICHTS
HVAC		6900	-	-	-	3			4	1	20	12		628	LIGHTS
OPTIONAL WATER HEATER	1500		12	20	1	5			6	1	20	12	720		RECEPT.
-			-	-	-	7			8	1	20	12		75	EXT. LIGHT
-			-	-	-	9			10	-	-	-			-
			-	-	-	11			12	-	-	-			-
SUB TOTAL	8,400	6,900							)————	•			1,476	628	SUB TOTAL
LOAD KW * L.C.L. = 1,384 x 1.25 = 1,730 A 9,876 OTHER = 16,020						TOTAL LOAD									
B 7,528 TOT 17,404				M	AX	DEN	ΙΑΝ	ID =	= 1	7,75	0			MA DE	MAND 73.9 AMPS

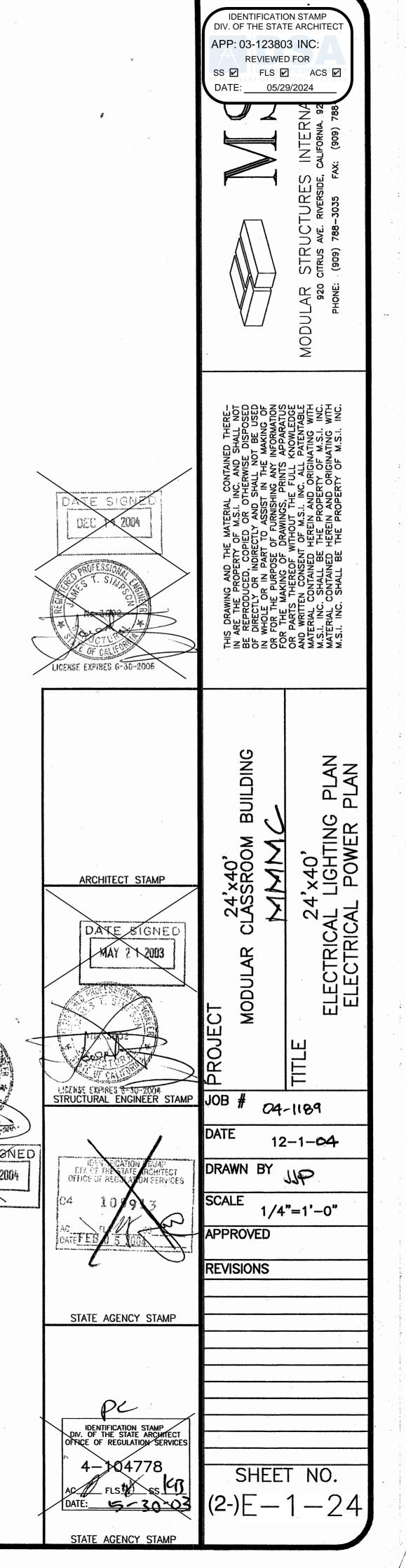


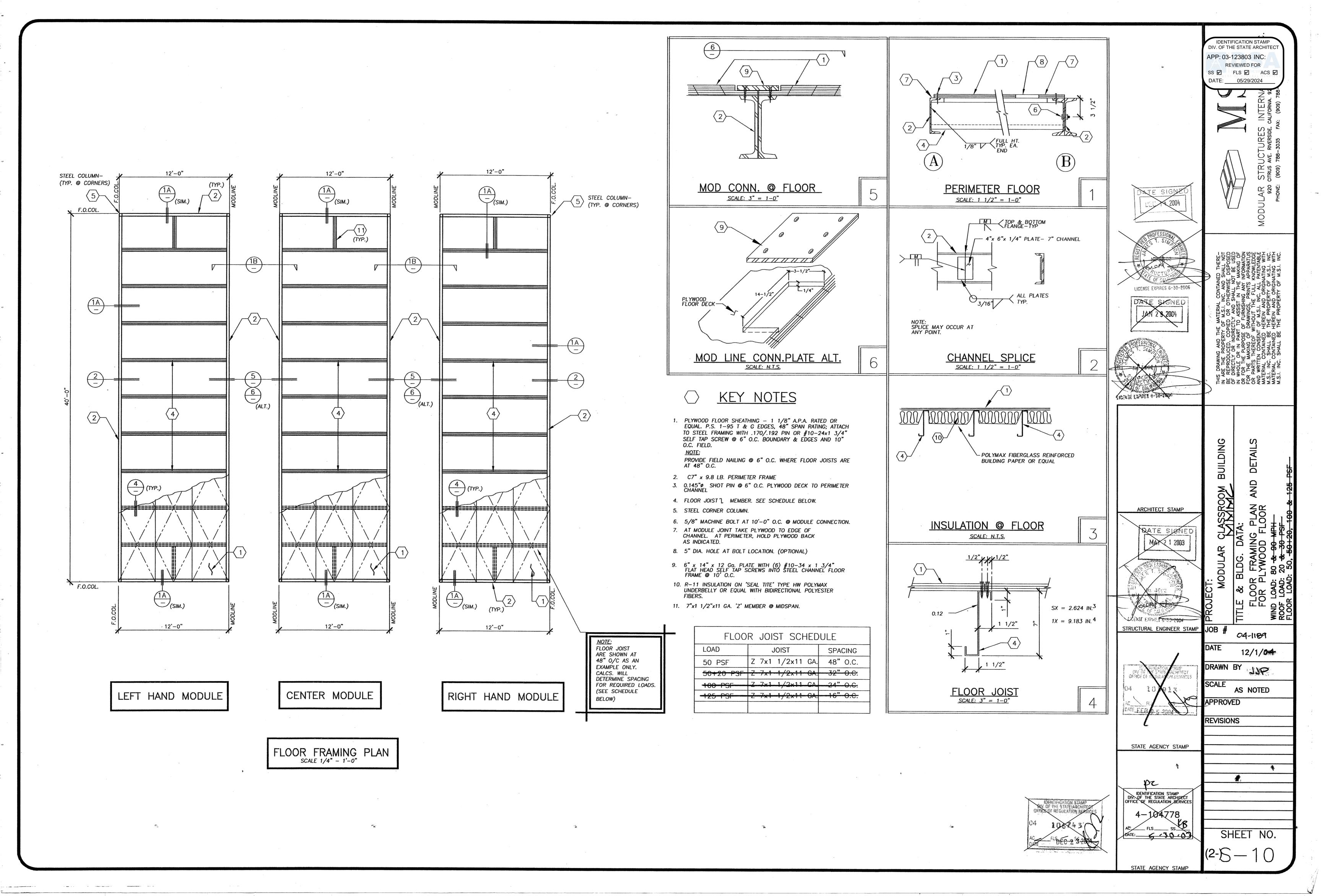


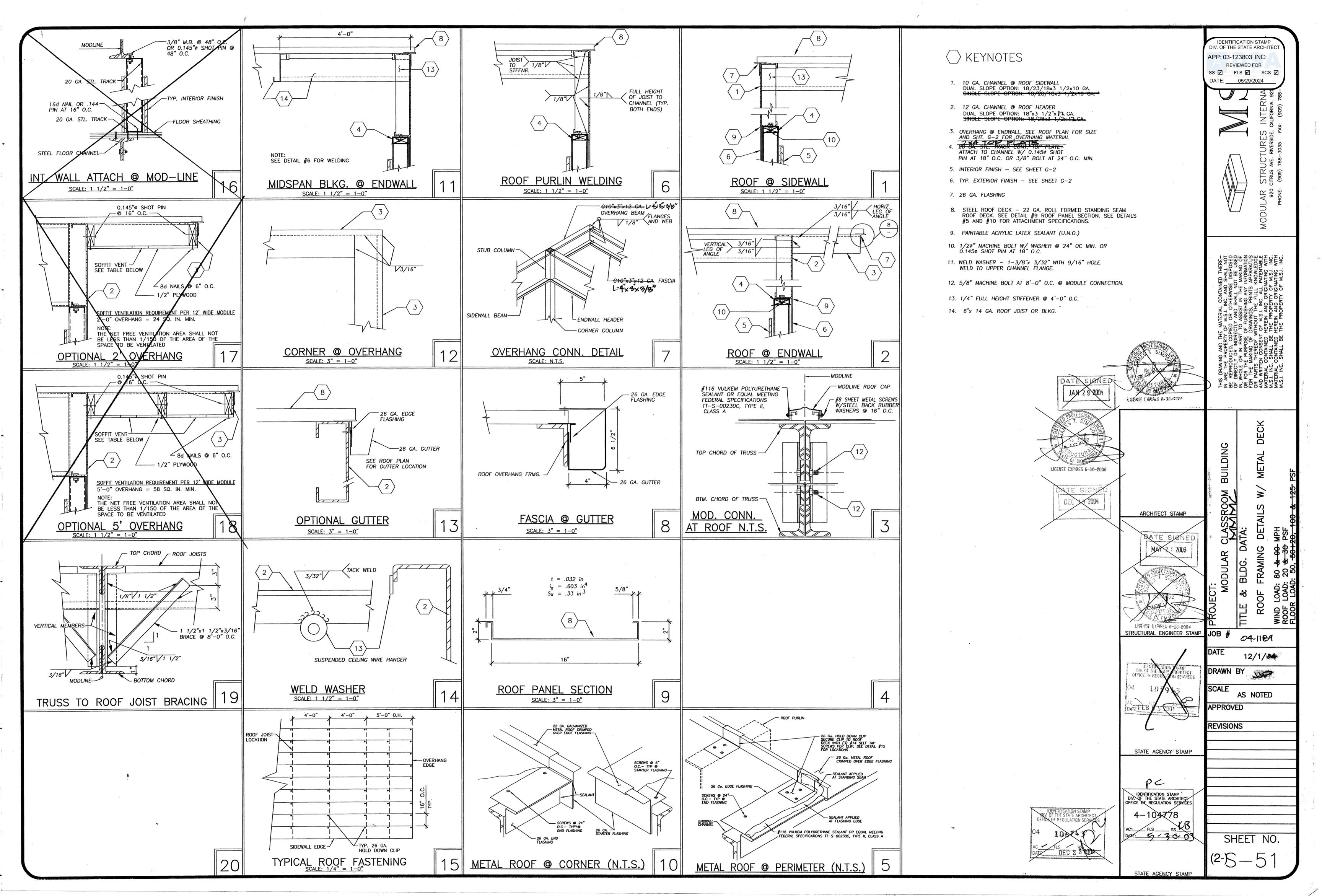


	FIXTURE SCHEDULE	
SYMBOL	DESCRIPTION	WATTS
	2'x 4' FLUORESCENT DROP IN LIGHT FIXTURE ACRYLIC PRASMATIC LENS, DOUBLE ELECTRONIC BALLAST, (3) 32 WATT T-8 TUBES, WEIGHT 27 LBS. *LIGHT TO HAVE A+BALLAST	96 WATTS
- <b>\( -</b>	INCANDESCENT SURFACE MOUNTED EXTERIOR LIGHT FIXTURE WITH IMPACT RESISTANT ENCLOSURE WITH DIRECTIONAL PHOTO CELL CONTROL.	75 WATTS
	EXHAUST FAN, 109 CFM, BROAN #L100 WITH 6" DUCT TO BROAN #634 ROOF CAP	132 WATTS

SCALE: 1/4"=1'-0"







11450 MISSION BLVD.
MIRA LOMA, CA 91752

DSA FOUNDATION PLANS

FOR EXISTING STOCKPILE BUILDINGS

SITE SPECIFIC APPROVAL

APPROVAL

PRE-CHECK (PC) DOCUMENT

FOR CONSTRUCTION IS REQUIRED

CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION

(BASED ON PC 04 - 122274)

WITH OPTIONAL  $S_s=2.183$  AND  $S_s=3.08$  NOTE: SEE DESIGN DATA TABLE SHEET F-1

TITLE 24 CODES:

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC) (PART 1, TITLE 24, CCR)

2022 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2 (PART 2, TITLE 24, CCR)

2022 CALIFORNIA ELECTRICAL CODE (CEC) (PART 3, TITLE 24, CCR)

2022 CALIFORNIA MECHANICAL CODE (CMC) (PART 4, TITLE 24, CCR)

2022 CALIFORNIA PLUMBING CODE (CPC) (PART 5, TITLE 24, CCR)

2022 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)

2022 CALIFORNIA FIRE CODE (CFC) (PART 9, TITLE 24, CCR)

2022 CALIFORNIA EXISTING BUILDING CODE (CEBC) (PART 10, TITLE 24, CCR)

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN) (PART 11, TITLE 24, CCR)

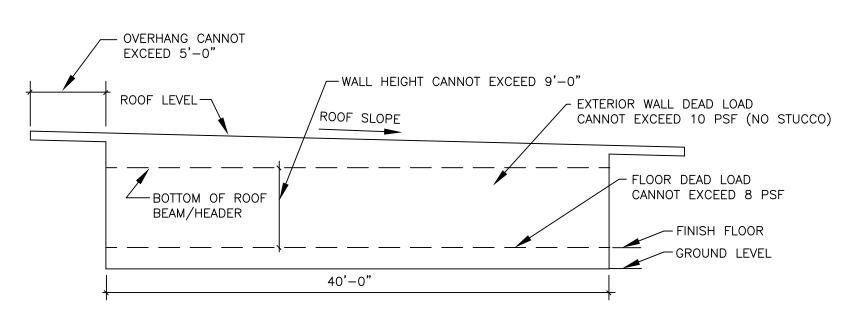
2022 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

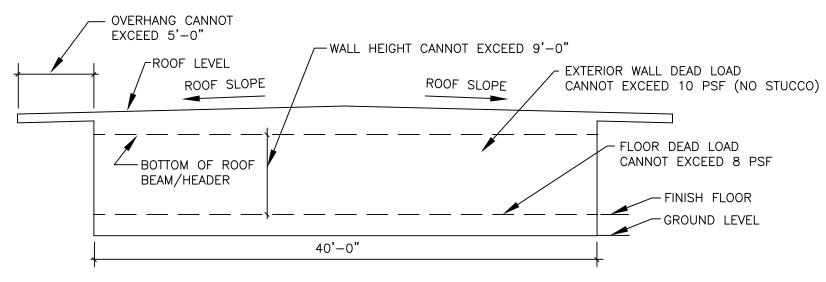
### FOUNDATION PC ONLY LIMITATIONS

THIS WOOD FOUNDATION ONLY PC HAS BEEN DESIGNED TO SUPPORT THE SUPERSTRUCTURE FOR THE RELOCATABLE BUILDINGS LISTED ON SHEET F-2 OF THESE DRAWINGS. THE DESIGN CALCULATIONS HAVE BEEN BASED ON THE FOLLOWING:

- A ROOF OVERHANG OF 5 FEET MAX
- A WALL HEIGHT OF 9 FEET MAX (FROM FINISH FLOOR IN BUILDING TO BOTTOM OF
- STEEL ROOF BEAMS/HEADERS)
- WALL DEAD LOAD OF 10 PSF (NO STUCCO)
- FLOOR DEAD LOAD OF 8 PSF
- SEE SEISMIC DESIGN DATA, SHEET F-1, FOR  $S_{DS}$  LIMITATIONS FOR SITE.
- THE TYPICAL ELEVATIONS BELOW ARE TO CLARIFY THESE LIMITATIONS. DOCUMENTATION SHALL BE PROVIDED BY THE ARCHITECT OR ENGINEER IN GENERAL RESPONSIBLE CHARGE, WHICH NEEDS TO BE REVIEWED AND APPROVED BY THE DSA STRUCTURAL PLAN REVIEWER.



#### SINGLE SLOPE BUILDING



7		GROUND	LEVEL
40'-	-0"		
DUAL SLOP	E BUILDING	r	
		SHEET INDEX	<b>4</b>
	OPTIONS	SHEET TITLE	SHEET NUMBER
		GENERAL NOTES; APPLICABLE CODES;	
	COVER SHEET	BUILDING DATA; WIND DESIGN DATA,	F-1
		EARTHQUAKE DESIGN DATA	
	ALL	DSA A NUMBER LISTING MATRIX	F- <b>2</b>

	GENERAL NOTES; APPLICABLE CODES;	
COVER SHEET	BUILDING DATA; WIND DESIGN DATA,	F-1
	EARTHQUAKE DESIGN DATA	
ALL	DSA A NUMBER LISTING MATRIX	F- <b>\$</b>
BUILDING SIZE		
24X40	□ 50 PSF + 20 PSF (Ss 2.183)	F-3
	<b>№</b> 50 PSF (Ss 2.183)	F-3
	□ 50 PSF + 20 PSF (Ss 3.08)	F-3A
	□50-RSF (Ss 3.08)	F-3A
	□ 100 PSF (Ss 2.183)	F-3B
	□ 125 PSF (Ss <del>2.</del> 183)	F-3B
	100 PSF (Ss 3.08)	F-3C
	□ 125 PSF (Ss 3.08)	F-3C
36X40	□ 50 PSF + 20 PSF (Ss 2.183)	F-3
	□50 PSF (Ss 2.183)	F-3
	□ 50 PSF + 20 PSF (Ss 3.08)	F-4B
	□50 PSF (Ss 3.08)	F-4B
	□ 100 PSF (Ss 2.183)	F-4B
	□ 125 PSF (Ss 2.183)	F-4B
	□ 100 PSF (Ss 3,08)	F-4C
	□ 125 PSF (Ss 3.08)	F-4C
48X40	□ 50 PSF + 20 RSF (Ss 2.183)	F-5
	□50 PSF (Ss 2.183)	F-5
	□ 50 PSF + 20 PSF (Ss 3.0%)	F-5A
	□50 PSF (Ss 3.08)	F-5A
	□ 100 PSF (Ss 2.183)	F-5B
	□ 125 PSF (Ss 2.183)	F-5B
	□ 100 PSF (Ss 3.08)	F-56
	□ 125 PSF (Ss 3.08)	F-5C
ALL	REFERENCE DETAILS	F-5
ALL	DSA FORM 103	F-7
ALL	GENERAL SPECIFICATIONS	F-7A
ALL	ADJACENT BLDGS DETAILS	F-8
ALL	ADJACENT BLDGS DETAILS	F-5

STORIES	1-STORY					
OCCUPANCY:	Б	-1		E-2	E-	3
TYPECF	VB					
CONSTRUCTION	<del> </del>	ı				
FLOORLIVE LOAD:	/50PSF	50PSI	F+20P	SF PARITIC	ONLOAD	
FLOORLIVE	100PSF		125	SF.		
LOAD	/ 20DSE /		SVLAI	COMED II	MOVEAN	
ROOFLIVELOAD	AREA		ijiwi L	االتابيد		
<b>BUILDING AREA</b>	/24X40	(960S.F.)	1			
	36X4O	(1,440\$.	F.)			
		(1,9208.1	_			
ALLOWABLE						
BUILDING						
AREA (IVAX):	9,500S.F.	/				
FOUNDATION:	/ WOOD		JERCF BUTY		HPERIVANE UNDATION	
WINDDESIGN		LUKA		N 160BA		
		GEC .	<del></del>		1.4 10	
1. ULTIMATEWIN GUST (MPH):	D <del>TE</del> D.3	<del>30</del>		1	₽	
2 RISK CATEGOR	£					
3WINDEXPOSUR	=				C'	
4 APPLICABLE IN		ESSURE				
COEFI	ROENT:				- O18	
				Kzt:	=1.0	
<b>EARTHOLIAKE</b> I	DESIGND	ATA		SECTION 1	603A 1.5	
1. SEISVICIIVPOR	TANCE FAC	TOR			1	
2 MATTED STECT	RAL RESPO	NSE:				
				,		
OPTIONS:		30	œ	_	2183	
		_	08 08	_	2183 2183	
Ss S1		30	08 389		<b>2183</b> 1.03	
Si Si 3 SITE CLASS		30 1.3	08 399 D		2183	
Si Si 3 SITE CLASS 4 SPECTRAL RESP	CNSE COEF	30 1.3 I	08 399 D		2183 1.03 D	
Si Si 3 STECLASS 4 SPECTRALRESP OPTIONSS	ONSE COEFF	36 1.3 I HOENIS	08 389 D i		2183 1.03 D	
Si Si 3 STIE CLASS 4 SPECTRALRESP OPTIONSS Sos	ONSE COEFF	30 1.3 I HOENIS 30 1.7	08 399 0 1 1 08 725		2183 1.03 D 2183 1.222	
Si Si 3 STIE CLASS 4 SPECTRALRESP CPTION Si SDS		30 1.3 I HOENIS 30 1.7	08 389 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2183 1.03 D 2183 1.222 1.75	
SS SI 3 STIE CLASS 4 SPECIRAL RESP CPTION SS SDS SDI RESPONSE COEFFICII	ENT, Cs	30 1.3 I HOENIS 30 1.7	08 389 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2183 1.03 D 2183 1.222	
SS SI 3 SITE CLASS 4 SPECIRAL RESP CPTION SS SDS SDI RESPONSE COEFFICII (USING REDUCED Sds	ENT, Cs	30 1.3 FIGENIS 30 1.7 2.3	08 389 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2183 1.03 D 2183 1.222 1.75	
Sissippi Sis	ENT, Cs AS SEC. 12.8.1.3)	36 1.3 I FICIENTS 36 1.7 2.3 0.4	08 389 0 1 108 725 36 93		2183 1.03 D 2183 1.222 1.75	
SI 3 STECLASS 4 SPECIRAL RESP CPTION SS SD6 SD1 RESPONSE COEFFICII (USING REDUCED Sds ALLOWED BY ASCE7, 5. SEISMIC DESIGN 6. BASIC SEISMIC-F	ENT, Cs : AS : SEC. 12.8.1.3) I CATEGORY	330 1.3 1.7 30 1.7 2.3 0.4	08 389 0 08 725 36 93	LIGHT N MON	2183 1.03 D 2183 1.222 1.75 0.349 E MODULAR S	
SS S1 3 STECLASS 4 SPECIRAL RESP CPTION SS SDS SD1 RESPONSE COEFFICII (USING REDUCED Sds ALLOWED BY ASCE7, 5. SEISMIC DESIGN 6. BASIC SEISMIC-F 7. DESIGN BASE SH	ENT, Cs AS SEC. 12.8.1.3) I CATEGORY FORCE-RESIS	330 1.3 1.3 1.7 2.3 0.4 7: E STANCE-S	08 389 0 125 36 93	LIGHT N MON	2183 1.03 D 2183 1.222 1.75 0.349 E MODULAR S IENT FRAM	
SS SI 3 STECLASS 4 SPECIRAL RESP CPTIONSS SDS SDI RESPONSE COEFFICII (USING REDUCED Sds ALLOWED BY ASCE7, 5. SEISMIC DESIGN 6. BASIC SEISMIC-F 7. DESIGN BASE SH OPTION	ENT, Cs AS SEC. 12.8.1.3) I CATEGORY FORCE-RESIS	330 1.3 1.7 2.3 0.4 7: E STANCE-S DIRECTION 3.0	08 389 0 36 36 93 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	LIGHT N MON DINAL & TRANS	2183 1.03 D 2183 1.222 1.75 0.349 E MODULAR S IENT FRAM VERSE) 2.183	
SS SI 3 STECLASS 4 SPECIRAL RESP CPTION SS SDS SDI RESPONSE COEFFICII (USING REDUCED SdS ALLOWED BY ASCE7, 5. SEISMIC DESIGN 6. BASIC SEISMIC-F 7. DESIGN BASE SH OPTION  24'X40'	ENT, Cs AS SEC. 12.8.1.3) I CATEGORY FORCE-RESIS	330 1.3 1.7 2.3 0.4 7: E STANCE-S DIRECTION 3.0 2708	08 389 0 36 93 593 (LONGITUD 08 5#	LIGHT MOM	2183 1.03 D 2183 1.222 1.75 0.349  E MODULAR S IENT FRAM VERSE) 2.183 9174#	
SS S1 3 STECLASS 4 SPECIRAL RESP CPTION SS SDS SD1 RESPONSE COEFFICII (USING REDUCED SdS ALLOWED BY ASCE7, 5. SEISMIC DESIGN 6. BASIC SEISMIC-F 7. DESIGN BASE SH OPTION  24'X40' 36'X40'	ENT, Cs AS SEC. 12.8.1.3) I CATEGORY FORCE-RESIS	330 1.3 1.3 1.7 2.3 0.4 7: E STANCE-S DIRECTION 3.0 2708: 3868	08 389 00 36 36 93 54 (LONGITUE 08 5#	LIGHT MOM DINAL & TRANS	2183 1.03 D 2183 1.222 1.75 0.349  E MODULAR S IENT FRAM VERSE) 2.183 9174# 7383#	
SS S1 3 STECLASS 4 SPECIRAL RESP CPHONSS SDS SDS SDS SDS RESPONSE COEFFICII (USING REDUCED SdS ALLOWED BY ASCE7, 5. SEISMIC DESIGN 6. BASIC SEISMIC-F 7. DESIGN BASE SF OPTION 24'X40' 36'X40' 48'X40'	ENT, Cs AS SEC. 12.8.1.3) I CATEGORY FORCE-RESIS	36 1.3 1.3 1.7 2.3 0.4 7: E STANCE-S 1 DIRECTION 3.0 2708 3868 5500	08 389 00 125 336 93 54 (LONGITUD 08 5# 1#	LIGHT MOM DINAL & TRANS	2183 1.03 D 2183 1.222 1.75 0.349  E MODULAR S IENT FRAM VERSE) 2.183 9174#	
SS SI 3 STECLASS 4 SPECIRAL RESP CPTIONSS SD6 SD1 RESPONSE COEFFICII (USING REDUCED Sds ALLOWED BY ASCE7, 5. SEISMIC DESIGN 6. BASIC SEISMIC-F 7. DESIGN BASE SH OPTION  24'X40' 36'X40' 48'X40' 8. SEISMIC RESPON	ENT, Cs AS SEC. 12.8.1.3) I CATEGORY FORCE-RESIS HEAR: IN EACH	368 55000 CIENT (Cs	08 08 08 08 08 08 08 08 08 08	LIGHT MOM DINAL & TRANS	2183 1.03 D 2183 1.222 1.75 0.349  E MODULAR S BENT FRAM VERSE) 2.183 9174# 7383# 8941#	
SS SI 3 STECLASS 4 SPECIRAL RESP CPTIONSS SDS RESPONSE COEFFICII (USING REDUCED SdS ALLOWED BY ASCE7, 5. SEISMIC DESIGN 6. BASIC SEISMIC-F 7. DESIGN BASE SH OPTION	ENT, Cs AS SEC. 12.8.1.3) I CATEGORY FORCE-RESIS HEAR: IN EACH	3.0 1.3 1.7 2.3 0.4 7: E STANCE-S DIRECTION 3.0 2708: 3868 5500 CIENT (Cs	08 08 08 08 08 08 08 08 08 08	LIGHT MOM DINAL & TRANS	2183 1.03 D 2183 1.222 1.75 0.349  E MODULAR S IENT FRAM VERSE) 2.183 9174# 7383# 8941# 2.183	
Sissippoints Signature Sig	ENT, Cs AS SEC. 12.8.1.3) I CATEGORY FORCE-RESIS HEAR: IN EACH	330 1.3 1.3 1.3 1.4 1.7 2.3 0.4 2.3 0.4 2.3 0.4 2.3 0.4 3.0 2.708 3.0 3.0 3.0 3.0 0.4 0.4	08 389 00 36 36 93 36 93 (LONGITUE 08 5# 1# 9# 0) 08	LIGHT MOM DINAL & TRANS	2183 1.03 D 2183 1.222 1.75 0.349  E MODULAR S IENT FRAM VERSE) 2.183 9174# 7383# 8941# 2.183 0.349	
SS SI 3 STECLASS 4 SPECIRAL RESP CPTION SS SD6 SD1 RESPONSE COEFFICII (USING REDUCED Sds ALLOWED BY ASCE7, 5. SEISMIC DESIGN 6. BASIC SEISMIC-F 7. DESIGN BASE SH OPTION 24'X40' 36'X40' 48'X40' 8. SEISMIC RESPON OPTION CS 9. RESPONSE MIC  3 STECLASS STECLA	ENT, Cs AS SEC. 12.8.1.3) I CATEGORY FORCE-RESIS HEAR: IN EACH	330 1.3 1.3 1.7 2.3 0.4 7: E STANCE-S DIRECTION 3.0 2708 3868 5500 CIENT (Cs 3.0 0.4 N FACTO	08 389 00 36 36 93 36 93 (LONGITUE 08 5# 1# 9# 0) 08	LIGHT MOM MOM DINAL & TRANS  1: 2: 3:	2183 1.03 D 2183 1.222 1.75 0.349  E MODULAR S IENT FRAM VERSE) 2.183 9174# 7383# 8941# 2.183 0.349 3.5	E
Sissippoints Signature Sig	ENT, Cs AS SEC. 12.8.1.3) I CATEGORY FORCE-RESIS HEAR: IN EACH	330 1.3 1.3 1.7 2.3 0.4 7: E STANCE-S DIRECTION 3.0 2708 3868 5500 CIENT (Cs 3.0 0.4 N FACTO	08 389 00 36 36 93 36 93 (LONGITUE 08 5# 1# 9# 0) 08	LIGHT MON DINAL & TRANS  1: 2: 3:	2183 1.03 D 2183 1.222 1.75 0.349  E MODULAR S IENT FRAM VERSE) 2.183 9174# 7383# 8941# 2.183 0.349 3.5 NT LATERAL F	FORCE
SS SI 3 STECLASS 4 SPECIRAL RESP CPTION SS SD6 SD1 RESPONSE COEFFICII (USING REDUCED SdS ALLOWED BY ASCE7, 5. SEISMIC DESIGN 6. BASIC SEISMIC-F 7. DESIGN BASE SH OPTION	ENT, Cs AS SEC. 12.8.1.3) I CATEGORY FORCE-RESIS HEAR: IN EACH	330 1.3 1.3 1.7 2.3 0.4 7: E STANCE-S DIRECTION 3.0 2708 3868 5500 CIENT (Cs 3.0 0.4 N FACTO	08 389 00 36 36 93 36 93 (LONGITUE 08 5# 1# 9# 0) 08	LIGHT MOMONINAL & TRANS  11  2  33  EQUIVALEN NO HO	2183 1.03 D 2183 1.222 1.75 0.349 E MODULAR S IENT FRAM VERSE) 2.183 9174# 7383# 8941# 2.183 0.349 3.5 NT LATERAL F DRIZONTAL O	FORCE
SS SI 3 STECLASS 4 SPECIRAL RESP CPTION SS SD6 SD1 RESPONSE COEFFICII (USING REDUCED SdS ALLOWED BY ASCE7, 5. SEISMIC DESIGN 6. BASIC SEISMIC-F 7. DESIGN BASE SH OPTION	ENT, Cs AS SEC. 12.8.1.3) I CATEGORY FORCE-RESIS HEAR: IN EACH	330 1.3 1.3 1.7 2.3 0.4 7: E STANCE-S DIRECTION 3.0 2708 3868 5500 CIENT (Cs 3.0 0.4 N FACTO	08 389 00 36 36 93 36 93 (LONGITUE 08 5# 1# 9# 0) 08	LIGHT MOMONINAL & TRANS  1: 2: 3: EQUIVALENT NO HOVERTICAL	2183 1.03 D 2183 1.222 1.75 0.349  E MODULAR S IENT FRAM VERSE) 2.183 9174# 7383# 8941# 2.183 0.349 3.5 NT LATERAL F	FORCE
SS SI 3 STECLASS 4 SPECIRAL RESP CPTION SS SD6 SD1 RESPONSE COEFFICII (USING REDUCED Sds ALLOWED BY ASCE7, 5. SEISMIC DESIGN 6. BASIC SEISMIC-F 7. DESIGN BASE SH OPTION 24'X40' 36'X40' 48'X40' 8. SEISMIC RESPON OPTION CS 9. RESPONSE MIC  3 STECLASS STECLA	ENT, Cs AS SEC. 12.8.1.3) I CATEGORY FORCE-RESIS HEAR: IN EACH I NSE COEFFIC	330 1.3 1.3 1.7 2.3 0.4 7: E STANCE-S DIRECTION 3.0 2708 3868 5500 CIENT (Cs 3.0 0.4 N FACTO	08 389 00 36 36 93 36 93 (LONGITUE 08 5# 1# 9# 0) 08	LIGHT MOMONINAL & TRANS  1: 2: 3: EQUIVALEN NO HOVERTICAL	2183 1.03 D 2183 1.222 1.75 0.349 E MODULAR S IENT FRAM VERSE) 2.183 9174# 7383# 8941# 2.183 0.349 3.5 NT LATERAL F DRIZONTAL OLIRREGULAR	FORCE DR ITIES

**DESIGNIDATA** 

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 03-123803 INC:

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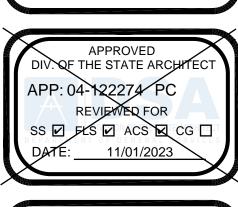
SS FLS ACS D

DATE: 05/29/2024

DSA PC STAMP

PRE-CHECK (PC)
DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT
APPLICATION FOR
CONSTRUCTION IS
REQUIRED

MOBILE MODULAR MANAGEMENT 11450 MISSION BLVD. MIRA LOMA, CA 917!



PC 04-122274
COVER SHEET

DRAWN

CHECKED

DATE

18 MAY 2023

SCALE

JOB NO.

- PC ENGINEER OF RECORD			TABLE OF CONTEN	TS	
		Sheet No.	Description	Dated	Revised
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1 D. A.		_			
PUCTUR P	This drawing and the material contained therein are the property of				
10/06/23	Mobile Modular Management Corporation (MMMC) and shall not be reproduced, copied or otherwise disposed of directly or indirectly and shall not be used in whole or in part to assist in the making of, or for the purpose of				
10/00/23	furnishing, any information for the making of drawings, prints, apparatus or parts thereof without the full knowledge and written consent of MMMC and				
	all patentable material contained herein and originating with MMMC and shall be the property of MMMC.				

	DSA A NUMBER OF MODULAR BUILDING	BASED ON PC	YEAR OF APPROVAL OF MODULAR BUILDING	MODULAR BUILDING SIZE	DESIGN FLOOR LIVE LOAD
MB	A04106168	PC 04-104778	2004	48 X 40	50
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MB C	A04106743	PC 04-104778	2005	24 X 40	50
MB	A04107176	PC 04-104778	2005	48 X 40	50
MB	A04107310	PC 04-104778	2006	24 X 40 36 X 40	50
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MB	A04107251	04-104778	2005	36 X 40	50
MB	A04107207	04-104778	2006	36 X 40	50
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MT	A65965	PC 266	1997	24 X 40	50
MT	A69746	PC 282	1998	24 X 40	50
MT	A04100727	PC 300	1999	36 X 40	50
MT	A04101194	PC 270	1999	24 X 40	50
MT MT	A04101767 A04101891	PC 04-101419	2001 2000	24 X 40 48 X 40	50 50
<u>мі</u> МТ	A04101891 A04103044	PC 04-101419 PC 04-101419	2000	48 X 40 24 X 40	50
МТ МТ	A04103044 A04103205	PC 04-101419 PC 04-101268	2001	36 X 40	50+20
<u>мт</u> МТ	A04103205 A04102365	PC 04-101268 PC 04-101768	2001	24 X 40	50+20
MT	A04105219	PC 04-101419	2003	24 X 40	50
MT	A04105400	PC 04-104801	2003	48 X 40	50+20
MT	A04105434	PC 04-104796	2003	24 X 40	50
MT	A04105483	PC 04-104796	2004	24 X 40	50
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SC	A02-116779	PC 02-104027	2017	24 X 40	50+15
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MANUFACTURER OF MODULAR BUILDING	DSA A NUMBER OF MODULAR BUILDING	BASED ON PC	YEAR OF APPROVAL OF MODULAR BUILDING	MODULAR BUILDING SIZE	DESIGN FLOOR LIVE LOAD
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MB	A04106102	PC 04-104778	2004	24 X 40	50

DSA PC STAMP

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 03-123803 INC:

REVIEWED FOR
SS FLS ACS DATE: 05/29/2024

LEGEND:

AM = AMERICAN MODULAR SYSTEMS, INC.

AU = AURORA MODULAR INDUSTRIES, INC.

EN = ENVIRONOPLEX, INC.

MB = MODULAR
STRUCTURES
INTERNATIONAL, INC.

MT = MODTECH, INC.

SI = SILVER CREEK INDUSTRIES, INC.

WS = WALDEN STRUCTURES & CONSTRUCTION

GD = GARY DOUPNIK

MANUFACTURING, INC.

KC = KARSTON COMPANY

NOTES:

1. ONLY THOSE BUILDINGS
BUILT WITH 50# OR
50#+20# PARTITION
LOADS AS NOTED IN
TABLE WILL BE A PART
OF THIS PC.

2. ONLY THOSE BUILDINGS
MANUFACTURED BY THE
SAME MANUFACTURER
AND WITH PLANS AND
DETAILS SHOWN ON
PLAN SHEETS F-8 AND
F-9 MAY BE PLACED
ADJACENT TO EACH
OTHER.

PRE-CHECK (PC)
DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT
APPLICATION FOR
CONSTRUCTION IS
REQUIRED

MOBILE MODULAR MANAGEMENT 11450 MISSION BLVD. MIRA LOMA, CA 91752

APPROVED
DIV: OF THE STATE ARCHITECT
APP: 04-122274 PC
REVIEWED FOR
SS ACS CG 
DATE: 11/01/2023

A-NUMBERS

22

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SITE SPECIFIC APPROVAL

PRE-GHECK (PC) DOCUMENT
CODE: 2012 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

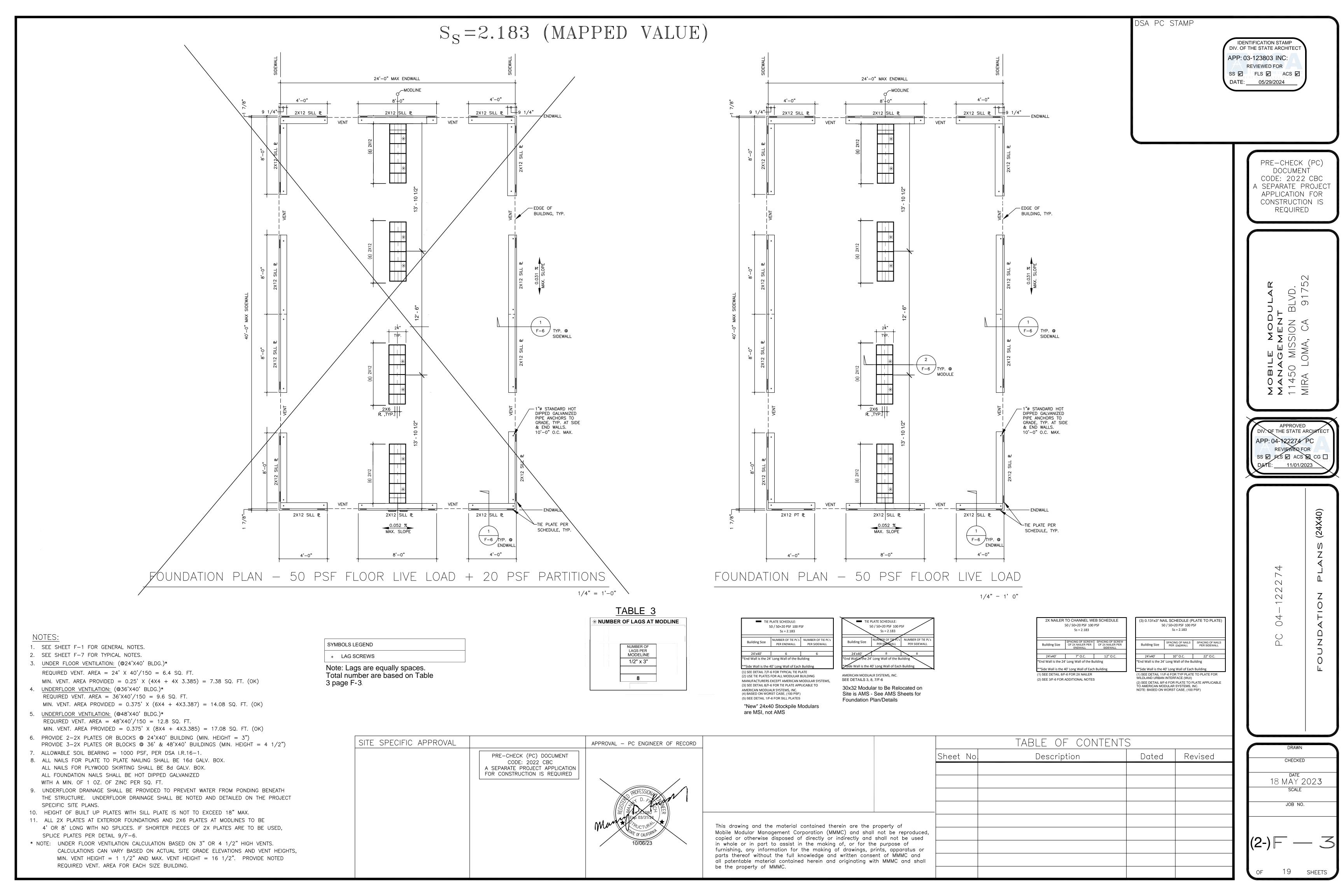
TABLE OF CONTENTS

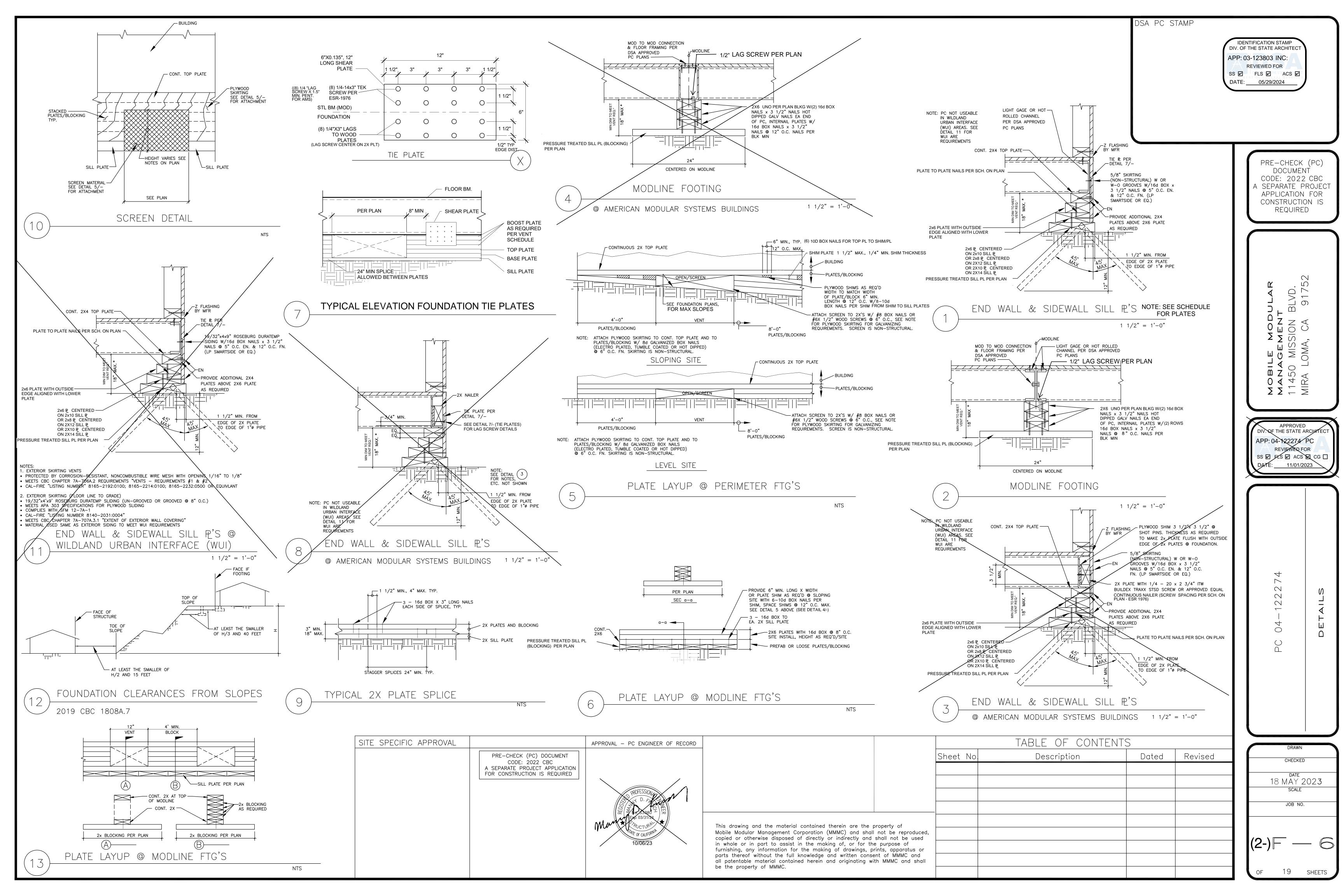
Sheet No Description Dated Revised

Mobile Modular Management Corporation (MMMC) and shall not be used in whole or in part to assist in the making di, or for the purpose of furnishing, any information, for the making di, or for the purpose of furnishing, any information for the making di, or for the purpose of furnishing, any information for the making di, or for the purpose of furnishing and the material contained therein are the property of MMC and all potentable material contained herein are the property of MMC and all potentable material contained herein are disposed of directly or indirectly and shall not be used in whole or in part to assist in the making di, or for the purpose of furnishing, any information for the making di, or for the purpose of furnishing and the material contained herein are the property of MMC and shall be the property of MMC.

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JLAR MANAGEMENT PC — 113193 SHE





#### GENERAL SPECIFICATIONS

#### SECTION 1A

#### 1. GENERAL

- A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENTS APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH SECTION.
- B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS.

#### 2. SCOPE OF WORK

- A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT. AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDING AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.
- B. ALL REQUIREMENTS OF TITLE 19 AND 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS (CCR) RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL
- 1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
- 2. INSPECTION DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION, WELDING, MECHANICAL AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICT.
- 3. ON SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY OF THE BUILDING INSTALLATION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
- 4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT. COST OF THESE INSPETIONS/TESTS SHALL BE BORNE BY THE SCHOOL DISTRICT.

#### 3. WORK NOT INCLUDED

- A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
- B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS, WHERE REQUIRED, UNLESS
- OTHERWISE INDICATED ON THE DRAWINGS. C. FIRE ALARM SYSTEM, FIRE EXTINGUISHER, PROGRAM BELL, CLOCK, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

#### 4. WHEELS AND HITCH

SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

#### 5. ACCESSIBILITY OF SITE

THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF THE BUILDING. REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS, ETC. NECESSARY FOR MOVE—IN AND REMOVAL OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

#### SECTION 2A SITE ASSEMBLY

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE.

THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING

- CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT. 2. ASSEMBLY OF ELEMENTS
- A. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING
- B. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTIONS ON THE DRAWINGS. FLASHING, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER PLANS AND DETAILS OF THE ORIGINAL MANUFACTURER'S DRAWINGS.

#### SECTION 3A CARPENTRY

#### 1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY.

#### 2. WORKMANSHIP

- A. FRAMING- SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL, PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
- B. NAILING- IN ACCORDANCE WITH TITLE 24 CCR- TABLE 2304.10.1. NAILS SHALL BE CORROSION RESISTANT BOX NAILS.
- C. MACHINE APPLIED NAILING— SHALL HAVE PRIOR DEMONSTRATION AND APPROVAL BY DSA FIELD INSPECTOR AND THE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUES SATISFACTORY PERFORMANCE. PLYWOOD SHALL HAVE A MINIMUM THICKNESS OF 3/8". IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT
- MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY. D. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM

#### SECTION 4A MATERIAL SPECIFICATIONS

- 1. STRUCTURAL FRAMING SHALL BE HEM FIR GRADED IN ACCORDANCE WITH THE STANDARD GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION OR STANDARD GRADING RULES NO. 16 OF THE WEST COAST LUMBER INSPECTION BUREAU, LATEST EDITIONS. GRADES SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS. (HEM FIR SOUTH IS NOT ALLOWED.) EACH PIECE SHALL BE GRADE MARKED AND NO PIECE MAY FALL BELOW GRADES INDICATED.
- ALL FRAMING EXCEPT AS NOTED HEM FIR NO. 2. 2. PLYWOOD SHALL BE AS SHOWN ON THESE DRAWINGS WITH EXTERIOR GLUE IN ACCORDANCE WITH U.S. PRODUCT STANDARD DOC PS 1-07 OR DOC PS-04. ALL PANELS SHALL BE MARKED WITH AN APA GRADE MARK WITH AN IDENTIFICATION INDEX AS SHOWN ON DRAWINGS. USE 4'x8' PANELS, MINIMUM, EXCEPT AT BOUNDARIES AND FRAMING CHANGES WHERE MINIMUM PANEL DIMENSION SHALL BE 24" AT ROOFS AND FLOORS
- AND 12" AT WALLS. 3. BOLTS FOR TIMBER CONNECTIONS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1-2012 AND 2018 EDITION OF THE NDS. BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF OF THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION (NDS). BOLT HOLES SHALL BE 1/32 TO 1/16 INCH LARGER THAN BOLT DIAMETER. RE—TIGHTEN BOLTS BEFORE CLOSING IN WORK. BOLTS SHALL BE FULL BODY STEEL BOLTS WITH MINIMUM YIELD STRENGTH OF 45,000 PSI
- 4. LAG SCREWS SHALL BE STEEL AND CONFORM TO ANSI/ASME STANDARD B18.2.1 AND THE REQUIREMENTS OF THE 2018 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS). HOLES FOR LAG SCREW SHANKS SHALL BE BORED THE SAME DEPTH AND DIAMETER AS THE SHANK. THE REMAINING DEPTH OF PENETRATION OF THE SCREW SHALL BE BORED TO 70% OF THE SHANK DIAMETER. ONE QUARTER INCH (1/4") DIAMETER LAG SCREWS NEED NOT HAVE PRE-DRILLED HOLES IF IT CAN BE SHOWN THAT THE WOOD MEMBERS ARE NOT DAMAGED DURING INSTALLATION. PROVIDE FULL DIAMETER BODY LAG SCREWS WITH BENDING YIELD STRENGTHS PER TABLE 12J AND 12K IN NDS.
- 5. PROVIDE MALLEABLE IRON WASHERS OR EQUIVALENT CUT PLATE WASHERS (NOT LESS THAN A STANDARD CUT WASHER) UNDER NUTS AND BOLT
- ÒR LAG SCREW HEADS WHICH BEAR ON WOOD. 6. WOOD SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.6.1 AND THE REQUIREMENTS OF THE 2018 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION (NDS). GALVANIZED OR OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER OR USED IN FOUNDATIONS. SCREWS SHALL BE STEEL WITH
- CUT THREADS AND BENDING YIELD STRENGTHS PER TABLES 12L AND 12M IN NDS. 7. WOOD MEMBERS SHALL BE CUT OR NOTCHED ONLY AS SHOWN ON
- STRUCTURAL DRAWINGS.

\* 1 1/2" AT 2x MEMBERS

- 8. WHEN REQUIRED NAILING TENDS TO SPLIT WOOD MEMBERS, NAIL HOLES SHALL BE PRE-BORED TO 3/4 OF THE NAIL DIAMETER.
- 9. STRUCTURAL NAILING SHALL BE WITH BOX NAILS PER ALL REQUIREMENTS OF 2018 NDS. NAILING NOT SPECIFICALLY INDICATED SHALL COMPLY WITH CCR TITLE 24, PART 2, TABLE 2304.9.1. ALL NAILS SHALL BE GALVANIZED OR OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER, IN FOUNDATIONS AND AS NOTED ON PLANS, PER THE REQUIREMENTS OF CCR TITLE 24, PART 2, WITH MINIMUM BENDING YIELDS PER TABLE 12N, 12P, 12Q AND 12R IN NDS. (SEE NAIL EQUIVALENCE BELOW.)
- 10. NAIL EQUIVALENCE: (PROVIDE MINIMUM NAIL LENGTHS AS REQUIRED FOR SPECIFIED PENETRATION, TYP. U.O.N.) 6d EQUALS .113" DIA. — PROVIDE 1.36" MIN POINT PENETRATION 8d EQUALS .131" DIA. — PROVIDE \*1.57" MIN POINT PENETRATION 10d EQUALS .148" DIA. — PROVIDE \*1.78" MIN POINT PENETRATION 16d EQUALS .162" DIA. — PROVIDE \*1.94" MIN POINT PENETRATION
- 11. PRESSURE PRESERVATIVE TREATMENT SHALL BE PER SECTION 2303.1.9, CCR TITLE 24, PART 2. PROVIDE QUALITY MARK ON ALL TREATED FOUNDATION MEMBERS. PRESSURE TREATED WOOD AND IDENTIFICATION MUST COMPLY WITH CBC 2303.1.9.1. ALL FOUNDATION MEMBERS SHALL BE MARKED AS "FOR GROUND CONTACT (UC4A)" OR "FOR ABOVE GROUND USE (UC3A OR UC3B)" AS APPROPRIATE. TREAT ALL CUT ENDS OF PRESSURE TREATED MEMBERS WITH AN APPROVED PRESERVATIVE. (WILLARD W/B COPPER GREEN 2% OR AN APPROVED EQUIVALENT). WHERE NOTED, MEMBERS BELOW THE SUB FLOOR THAT ARE NOT A PART OF THE FOUNDATION SHALL BE PRESSURE TREATED PER AWPA STANDARD UI.
- 12. ONLY MATERIAL IN CONTACT WITH GROUND NEEDS TO BE PRESSURE TREATED, ALL OTHER FOUNDATION LUMBER CAN BE DF OR HF#2 OR EQUAL.
- 13. IF MACHINE NAILING IS UTILIZED FOR THIS PROJECT, CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF CCR TITLE 24, PART 2. MACHINE NAILING IS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER OR ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT
- 14. FASTENERS FOR PRESSURE-PRESERVATIVE TREATED AND FIRE-RETARDANT TREATED WOOD SHALL COMPLY WITH SEC. 2304.10 OF CBC. 15. NAILS AND SPIKES USED IN WET OR EXTERIOR LOCATIONS SHALL COMPLY
- WITH SEC. 2304.10.5.1 OF CBC. 16. SHIM MATERIAL SHALL BE PLYWOOD CD EXP 1 OR EQUAL (NOT P.T.).
- 17. USED LUMBER IN GOOD CONDITION IS ACCEPTABLE FOR USE IN FOUNDATION SYSTEM.

#### SITE INSTALLATION REQUIREMENTS CLAUSE:

SITE INSTALLATION REQUIREMENTS FOR DSA CLASSROOM BUILDINGS. IN THE CASE OF EQUIPMENT LOCATED IN THE STATE OF CALIFORNIA, THE LESSEE IS RESPONSIBLE FOR THE SITE BEING CLEARED (FREE OF GRASS, SHRUBS, TREES, ETC.) AND GRADED TO WITHIN 4 1/2' OF LEVEL GRADE FOR EACH BUILDING. IF THE SITE EXCEEDS THE 4 1/2" REQUIREMENT ADDITIONAL COSTS MAY BE CHARGED TO LESSEE. UNDER NO CIRCUMSTANCES SHOULD THE SITE BE GREATER THAN 9" FROM LEVEL GRADE OR HAVE LESS THAN A 1000 PSF MINIMUM SOIL BEARING PRESSURE. PRIOR TO DELIVERY, THE LESSEE SHALL MARK THE FOUR CORNERS OF THE BUILDING ON THE SITE, INCLUDING THE DOOR LOCATION. SHOULD SPECIAL HANDLING BE REQUIRED TO EITHER PLACE, INSTALL OR REMOVE THE CLASSROOM ON THE LESSEE'S SITE DUE TO SITE OBSTRUCTIONS SUCH AS FENCING, LANDSCAPING, OTHER CLASSROOMS, ETC., ADDITIONAL

SITE SPECIFIC APPROVAL

APPROVAL - PC ENGINEER OF RECORD

PRE-CHECK (PC) DOCUMENT

CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

#### TEST AND INSPECTIONS:

COSTS WILL BE CHARGED TO LESSEE.

- 1. PROVIDE ELECTRICAL GROUNDING TEST PER DSA IR E-1
- NO OTHER TESTS AND INSPECTIONS ARE REQUIRED.

TABLE OF CONTENTS Sheet No. Description Dated Revised This drawing and the material contained therein are the property of Mobile Modular Management Corporation (MMMC) and shall not be reproduced, copied or otherwise disposed of directly or indirectly and shall not be used in whole or in part to assist in the making of, or for the purpose of furnishing, any information for the making of drawings, prints, apparatus or parts thereof without the full knowledge and written consent of MMMC and all patentable material contained herein and originating with MMMC and shall be the property of MMMC.

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> PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

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APPROVED OF THE STATE ARCHITEC APP: 04-122274 PC REVIEWED FOR SS 🗹 🗗 S 🗹 ACS 🖳 CG 🗌

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CHECKED 18 MAY 2023 SCALE

**Application Number:** 

**DSA File Number: Increment Number: Date Created:** 

#### 2022 CBC

**IMPORTANT:** This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

#### \*\*NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code. **KEY TO COLUMNS** 1. TYPE 2. PERFORMED BY **GE (Geotechnical Engineer)** – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized **Continuous** – Indicates that a continuous special inspection is representative. required LOR (Laboratory of Record) – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. **Periodic** – Indicates that a periodic special inspection is required PI (Project Inspector) – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA. **Test** – Indicates that a test is required SI (Special Inspection) – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector. 1. Deep foundations acting as a cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), C) single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 10'-0" above adjacent grade. 2. Shallow foundations, etc. are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill. CONCRETE/MASONRY: 1. Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see item 7 for "Welding" in the Appendix below) given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) or B) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding" in the Appendix below 2. Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations 3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1. Refer to construction documents for specific exemptions accordingly for each applicable wall condition. 4. Epoxy shear dowels in site flatwork and/or other non-structural concrete. 5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section. WELDING: 1. Solid-clad and open-mesh fences, gates with maximum leaf span of 10', and gates with a maximum rolling section of 10' all having an apex height less than 8'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates/fences are not located within 1.5x gate/fence height (max 8'-0") to the edge of floor or roof. 2. Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade (excluding post base connections per the 'Exception' language in Section 1705A.2.1); fillet welds shall not be ground flush.

- 3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
- 4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
- 5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
- 6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection as noted in selected item(s) for sections S/A3, S/A4 and/or S/A5 located in the Steel/Aluminum category of listing above).
- 7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) ≤4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <5 plf for distributed systems.

olication Number:	School Name:	School District:	
A File Number:	Increment Number:	Date Created:	
e of Architect or Engineer in ge	eneral responsible charge:		
e of Structural Engineer (When	structural design has been delegated):		
ature of Architect or Structural	Engineer: Date:		

**Note:** To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.

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NOTE:

THIS DRAWING

THE EXAMPLE FORM DSA-103 SHOWN IS FOR ILLUSTRATION

PURPOSES ONLY TO ASSIST IN THE COMPLETION OF FUTIRE

A FORM DSA-103 IS TO BE COMPLETED FOR EACH PROJECT

THE EXAMPLE FORM DSA-103 IS TO BE CROSSED OUT ON

APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND

PROJECT-SPECIFIC FORM DSA-103.

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CHECKED 18 MAY 2023

SITE SPECIFIC APPROVAL	APPROVAL — PC ENGINEER OF RECORD			TABLE OF CONTE	ENTS	
PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED			Sheet No.	Description	Dated	Revised
	PROFESSIONAL D. F. STATE OF THE					
	EXP. 03/31724  PUCTURING  PUCTURING  POF CALIFORNIA	This drawing and the material contained therein are the property of Mobile Modular Management Corporation (MMMC) and shall not be reproduced, copied or otherwise disposed of directly or indirectly and shall not be used				
	10/06/23	in whole or in part to assist in the making of, or for the purpose of furnishing, any information for the making of drawings, prints, apparatus or parts thereof without the full knowledge and written consent of MMMC and all patentable material contained herein and originating with MMMC and shall be the property of MMMC.				

## DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

2022 CBC

**IMPORTANT:** This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

Date Created:

#### \*\*NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.

Continuous - Indicates that a continuous special inspection is required  Continuous - Indicates that a continuous special inspection is required supersonately a registered geolectrical engineer or his or her authorized expresentative.  LOR & aboratory of Record) - Indicates that the test or special inspection shall be performed by a registering globoration years get in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335.  PI (Project Inspector) - Indicates that the special inspection may be performed by a project.  Inspection - Indicates that a lest is required  CS. POST-INSTALLED ANCHORS:  Performed By Code References and Notes  Si (Special Inspection) - Indicates that the special inspection shall be performed by an appropriately qualified dispersoned special inspection.  CS. POST-INSTALLED ANCHORS:  Test or Special Inspection  Type  Performed By Code References and Notes  Solar Inspection Si 28 a.2 b.13 "May be performed by the project inspection in the properties of the form) for exemptions, ACI 316-14 Sections 17.8 a.2 b.2 b.13 "May be performed by the project inspection in the special inspection of the form) for exemptions, ACI 316-14 Sections 17.8 a.2 b.2 b.13 "May be performed by the project inspection in the special inspection of the form) for exemptions, ACI 316-14 Sections 17.8 a.2 b.13 "May be performed by the project inspection or Special inspection of the form) for exemptions, ACI 316-14 Sections 17.8 a.2 b.13 "May be performed by the project inspection or Special Inspection or qualified technician when performed off site of the Inspection or qualified technician when performed off site or Special Inspection or qualified technician when performed off site or Special Inspection or qualified technician when performed off site or Special Inspection or Qualified technician when performed off site or Special Inspection or		1. TYPE		2.	PERFORMED BY
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a. Inspect installation of post-installed anchors  See Notes  SI¹ 1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodici), 1705A.3.8 (See Appendix (end of this form) for exemptions). ACI 318-14 Sections 17.8 & 26.13. * May be performed by the project inspector when specifically approved by USA.  Test DR 1910A.5. (See Appendix (end of this form) for exemptions).  SIA1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES  Test or Special inspection  Type Performed By Code References and Notes  a. Verify identification of all materials and: Mill certificates indicate material properties that comply with requirements. Materials sixes, types and grades comply with requirements. Materials sixes, types and grades comply with requirements. Materials sixes, types and grades comply with requirements. Materials and distribution of HSS shapes  Dr 100 British (St. 100 British). Test LOR 2202A.1.  Ci. Examine seam welds of HSS shapes  Periodic SI DSA.R 17-3.  di. Verify and document steel fabrication per DSA-periodic SI Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.1). Items 4 & 5: AWS D1.1 and AWS D1.8 for structural properties. AWS D1.4 for reinforcing steel: DSA.R R17-3.  SIA3. WELDING:  Test or Special Inspection  a. Verify weld filler material manufacturer's certificate of compliance.  Driving weld filler material manufacturer's certificate of compliance.  Driving William and Sia		C5. POST-INSTALLED ANCHORS:			
1705A.3.8 (See Appendix (end of this form) for exemptions), ACI 318-14 Sections 17.8 & 26.13. "May be performed by the project inspector when specifically approved by DSA.		Test or Special Inspection	Туре	Performed By	Code References and Notes
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Test or Special Inspection  Type Performed By Code References and Notes  a. Verify identification of all materials and: - Mill certificates indicate material properties that comply with requirements Material sizes, types and grades comply with requirements.  b. Test LOR 2202A.1.  c. Examine seam welds of HSS shapes  d. Verify and document steel fabrication per DSA-approved construction documents.  Type Performed By Code References and Notes  SI Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).  S/A3. WELDING:  Test or Special Inspection  Type Performed By Code References and Notes  A. Verify weld filler material identification markings per AVIS designation listed on the DSA-approved documents and the WPS.  D. Verify weld filler material manufacturer's certificate of compliance.  D. Verify weld filler material manufacturer's certificate of compliance.  C. verify WPS, welder qualifications and equipment.  S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):  Test or Special Inspection  Type Performed By Code References and Notes  SI DSA IR 17-3.  DSA IR 17-3.  S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):  Test or Special Inspection  Type Performed By Code References and Notes  SI DSA IR 17-3.  S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):  Test or Special Inspection  Type Performed By Code References and Notes  Continuous  SI DSA IR 17-3.  S/A5. SHOP WELDING (IN ADDITION TO SECTION S/A3):  Test or Special Inspection  Type Performed By Code References and Notes  Table 1705A.2.1 Items 5a.1 4; AISC 360-16 (and AISC 341-16 as applicable): DSA IR 17-3.  D. Not applicable): DSA IR 17-3.  Continuous  SI DSA IR 17-3.  Continuo		<b>b.</b> Test post-installed anchors.	Test	LOR	1910A.5. (See Appendix (end of this form) for exemptions.)
☑       a. Verify identification of all materials and:		S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND A	LUMINUM USE	D FOR STRUCTUI	RAL PURPOSES
All certificates indicate material properties that comply with requirements.   Material sizes, types and grades comply with requirements.   Material sizes, types and grades comply with requirements.   Material sizes, types and grades comply with requirements.   D. Test unidentified materials   Test   LOR   2202A.1.		Test or Special Inspection	Туре	Performed By	Code References and Notes
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Verify and document steel fabrication per DSA- approved construction documents.   Periodic   SI   Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).     S/A3. WELDING:   Test or Special Inspection   Type   Performed By   Code References and Notes	<b>√</b>	<b>b</b> . Test unidentified materials	Test	LOR	2202A.1.
approved construction documents.  S/A3. WELDING:  Test or Special Inspection  Type  Performed By  Code References and Notes  I 705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.  DSA IR 17-3.  DSA IR 17-3.  S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):  Test or Special Inspection  Type  Performed By  Code References and Notes  SI  DSA IR 17-3.  DSA IR 17-3.  S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):  Test or Special Inspection  Type  Performed By  Code References and Notes  Table 1705A.2.1 Items 5a.1 4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.  DSA IR 17-3.  Continuous  I 705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.  County of the structural steels and Notes  Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.  County of the structural steels and Notes  Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.  DSA IR 17-3.	<b>V</b>	c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
Test or Special Inspection  Type Performed By Code References and Notes  a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.  b. Verify weld filler material manufacturer's certificate of compliance.  b. Verify weld filler material manufacturer's certificate of compliance.  c. Verify WPS, welder qualifications and equipment.  Periodic  SI  DSA IR 17-3.  S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):  Test or Special Inspection  Type  Performed By  Code References and Notes  Code References and Notes  Table 1705A.2.1 Items 5a.1 4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.  D. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.  Periodic  SI  1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.	<b>7</b>		Periodic	SI	
☑       a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.       Periodic       SI       1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.         ☑       b. Verify weld filler material manufacturer's certificate of compliance.       Periodic       SI       DSA IR 17-3.         ☑       c. Verify WPS, welder qualifications and equipment.       Periodic       SI       DSA IR 17-3.         S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):       Type       Performed By       Code References and Notes         ☑       a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.       Continuous       SI       Table 1705A.2.1 Items 5a.1 4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.         ☑       b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.       Periodic       SI       1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.         ☑       c. Inspect welding of stairs and railing systems.       Periodic       SI       1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 &		S/A3. WELDING:		1	
AWS designation listed on the DSA-approved documents and the WPS.  b. Verify weld filler material manufacturer's certificate of compliance.  C. Verify WPS, welder qualifications and equipment.  Periodic  SI  DSA IR 17-3.  DSA IR 17-3.  S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):  Test or Special Inspection  Type  Performed By  Code References and Notes  C. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.  Diagram and the WPS.  SI  To5A.2.1 Items 5a.1 4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.  Diagram and the WPS.  SI  To5A.2.1; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.		Test or Special Inspection	Туре	Performed By	Code References and Notes
compliance.  C. Verify WPS, welder qualifications and equipment.  Periodic  SI  DSA IR 17-3.  S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):  Test or Special Inspection  Type  Performed By  Code References and Notes  Table 1705A.2.1 Items 5a.1 4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.  D. Inspect groove welds, multi-pass fillet welds.  SI  Table 1705A.2.1 Items 5a.1 4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.  D. Inspect single-pass fillet welds ≤ 5/16°, floor and roof deck welds.  SI  T705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.  D. Inspect welding of stairs and railing systems.  Periodic  SI  1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 &	<b>V</b>	AWS designation listed on the DSA-approved documents	Periodic	SI	structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed
S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):  Test or Special Inspection  Type Performed By Code References and Notes  Table 1705A.2.1 Items 5a.1 4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.  D. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.  SI T705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.  SI T705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.  SI T705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.	<b>7</b>		Periodic	SI	DSA IR 17-3.
Test or Special Inspection  Type Performed By Code References and Notes  In a Inspect groove welds, multi-pass fillet welds, single pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.  In a Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.  In a Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.  In a Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.  In a Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.  In a Inspect groove welds, multi-pass fillet welds, single pass fillet welds, single pass fillet welds, single pass fillet welds.  In a Inspect groove welds, multi-pass fillet welds, single pass fillet welds, single pass fillet welds, single pass fillet welds.  In a Inspect groove welds, multi-pass fillet welds, single pass fi	<b>V</b>	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.  SI Table 1705A.2.1 Items 5a.1 4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.  SI 1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.  SI 1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.  SI 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & Trouble 1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable		S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
fillet welds > 5/16", plug and slot welds.  □ b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.  □ c. Inspect welding of stairs and railing systems.  □ c. Inspect welding of stairs and railing systems.  □ c. Inspect welding of stairs and railing systems.  □ c. Inspect welding of stairs and railing systems.  □ c. Inspect welding of stairs and railing systems.  □ c. Inspect welding of stairs and railing systems.  □ c. Inspect welding of stairs and railing systems.  □ c. Inspect welding of stairs and railing systems.  □ c. Inspect welding of stairs and railing systems.  □ c. Inspect welding of stairs and railing systems.		Test or Special Inspection	Туре	Performed By	Code References and Notes
deck welds.  AISC 341-16 as applicable); DSA IR 17-3.  ✓ c. Inspect welding of stairs and railing systems.  Periodic  SI  1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 &	<b>V</b>		Continuous	SI	
	<b>7</b>		Periodic	SI	
	<b>7</b>	c. Inspect welding of stairs and railing systems.	Periodic	SI	

"CONSTRUCTION OF" AND "STOCKPILE OF" EXAMPLE DSA 103 FORM (DSA 103 FORM NOT REQUIRED FOR RELOCATION OF CERTIFIED RAMP & LANDING).

THE EXAMPLE FORM DSA-103 SHOWN ON THIS SHEET IS FOR ILLUSTRATION PURPOSES ONLY TO ASSIST IN THE COMPLETION OF FUTURE PROJECT-SPECIFIC FORM DSA-103'S. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND THE EXAMPLE FORM DSA-103 IS TO BE CROSSED OUT ON THIS DRAWING.

## TMP SERVICES

2929 KANSAS AVE. RIVERSIDE, CA 92507 (951) 213-3900 FAX (651) 213-3997

# ACCESSIBLE RAMPS/ LANDINGS/STAIRS

(STEEL + OPTIONAL ALUM. DECK)

STATE OF CALIFORNIA -

2021 IBC/2022 CBC

PROPRIETARY DESIGN: THIS DRAWING AND THE MATERIAL CONTAINED THEREIN ARE THE PROPERTY OF TMP SERVICES, INC. AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND CONSENT OF TMP SERVICES, INC. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATED WITH TMP SERVICES, INC. SHALL BE THE PROPERTY OF TMP



#### NOTES:

#### LOADS: 1. RAMP LIVE LOAD = 100 PSF 2. NO SNOW LOADING

3. NO FLOOD LOADING 4. WIND:

WIND SPEED = 110 MPH RISK CATEGORY = II & III EXPOSURE = C

 $K_{7T}$ = 1.0

WIND DESIGN PER ASCE 7-16 CHAPTER 29 RISK CATEGORY = II

RISK CATEGORY = III  $I_{e} = 1.0$  $I_{e} = 1.25$  $S_S = 2.55$  $S_S = 1.43$  $S_1 = 1.0$  $S_1 = 1.0$ 

SITE CLASS = D DEFAULT SITE CLASS = D DEFAULT

 $C_S = 1.14$  (ASCE 7-16 EQUATION 15.4-2)

 $C_S = 1.14$  (ASCE 7-16 EQUATION 15.4-2) R = 1.25 (ASCE 7-16 TABLE 15.4-1) R = 1.25 (ASCE 7-16 TABLE 15.4-1)

6. ALLOWABLE SOIL BEARING = 1000 PSF

## CODES: (TITLE 24 CODES)

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC)....(PART 1, TITLE 24, CCR)

2022 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2 (PART 2, TITLE 24, CCR) (2021 EDITION INTERNATIONAL BUILDING CODE WITH 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA FIRE CODE (CFC), (PART 9, TITLE 24, CCR) (2021 EDITION INTERNATIONAL FIRE CODE WITH 2022 CALIFORNIA

2022 CALIFORNIA GREEN CODE (CGC), (PART 9, TITLE 24, CCR) 2022 CALIFORNIA REFERENCED CODE, (PART 12, TITLE 24, CCR)

2022 CODE SECTIONS FOR APPLICABLE STANDARDS

•	2022 CBC, CHAPTER 35	ALL EIGABLE OF	71110711100	
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Sheet No.	Description	Dated	Revised	
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3	ACCESSIBLE RAMP DETAILS & NOTES	02 AUG 2023		DSA APPROVALS
4	DETAILS & NOTES	02 AUG 2023		
5	ACCESSIBLE RAMP SWITCH BACK DETAILS	02 AUG 2023		
6	STAIRS - OPTIONAL	02 AUG 2023		
7	ACCESSIBLE RAMP OPTIONAL ALUMINUM DECK	02 AUG 2023		
8	ACCESSIBLE RAMP ELEVATIONS & PLAN VIEWS	02 AUG 2023		
ALTERNATE RAMPS/LANDINGS/STAIRS				
Sheet No.	Description	Dated	Revised	
1A	COVER SHEET	02 AUG <b>2</b> 023		
2A	ACCESSIBLE RAMP ELEVATIONS & DETAILS	02 AUG 2023		
3A	ACCESSIBLE RAMP DETAILS & NOTES	02 AUG 2023		
4A	DETAILS & NOTES	02 AUG 2023		
5A	ACCESSIBLE RAMP SWITCH BACK DETAILS	02 AUG 2023		
6A	STAIRS - OPTIONAL	02 AUG 2023		
				]

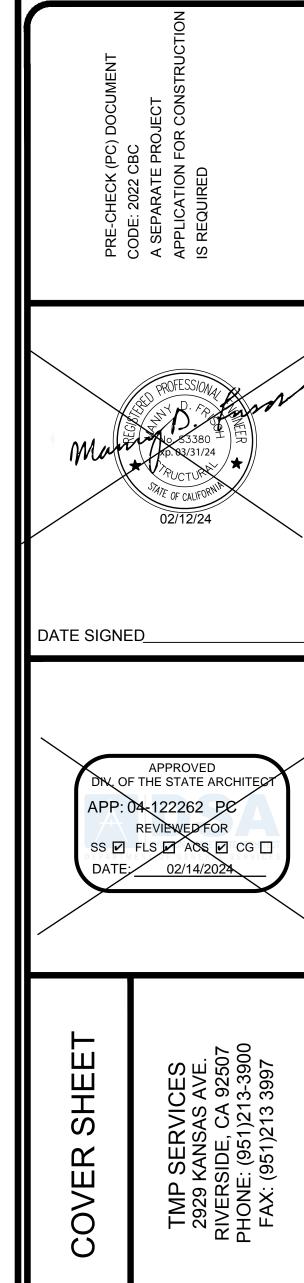
02 AUG 2023

02 AUG 2023

ACCESSIBLE RAMP OPTIONAL ALUMINUM DECK

ACCESSIBLE RAMP ELEVATIONS & PLAN VIEWS

**IDENTIFICATION STAM** APP: 03-123803 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 05/29/2024



CHECKED 02 AUG 2023 JOB NO.

